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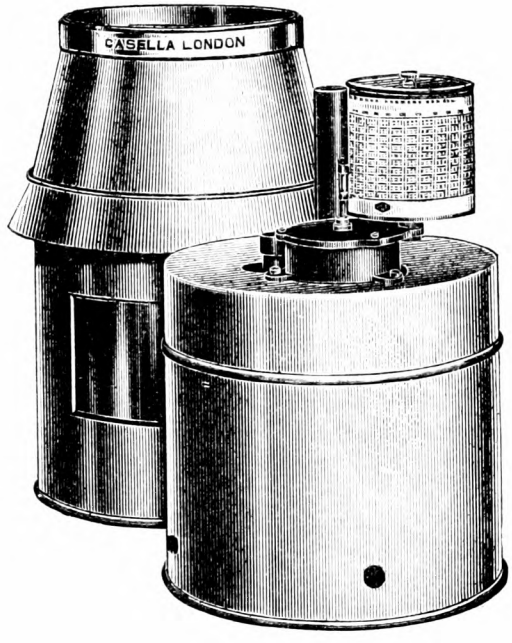

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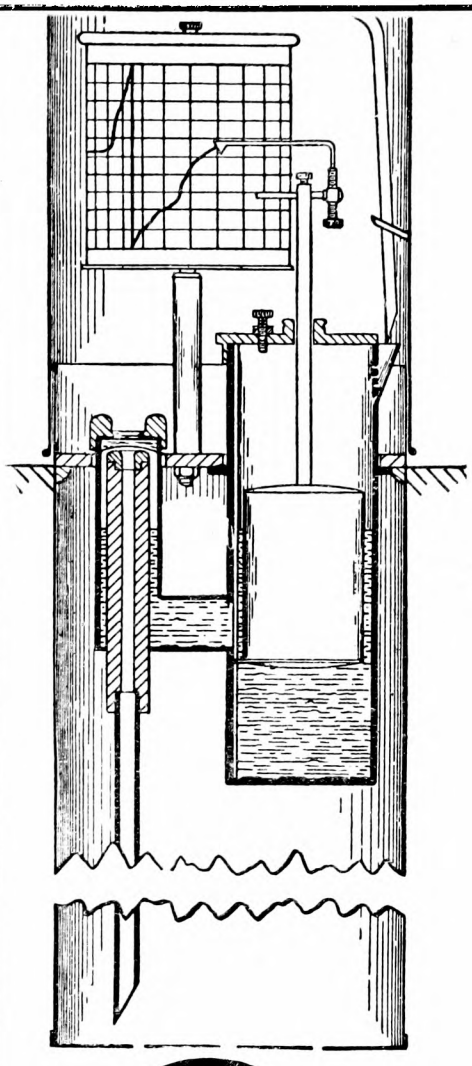
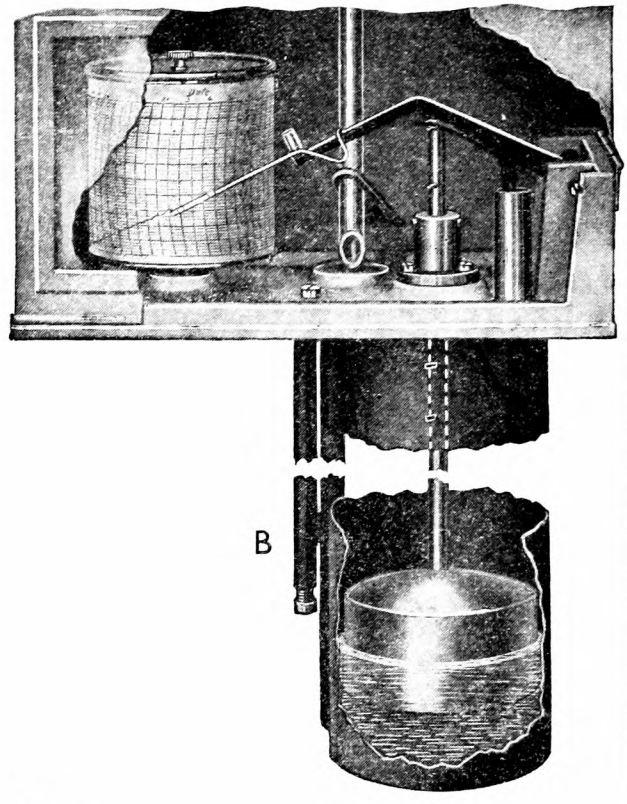


A



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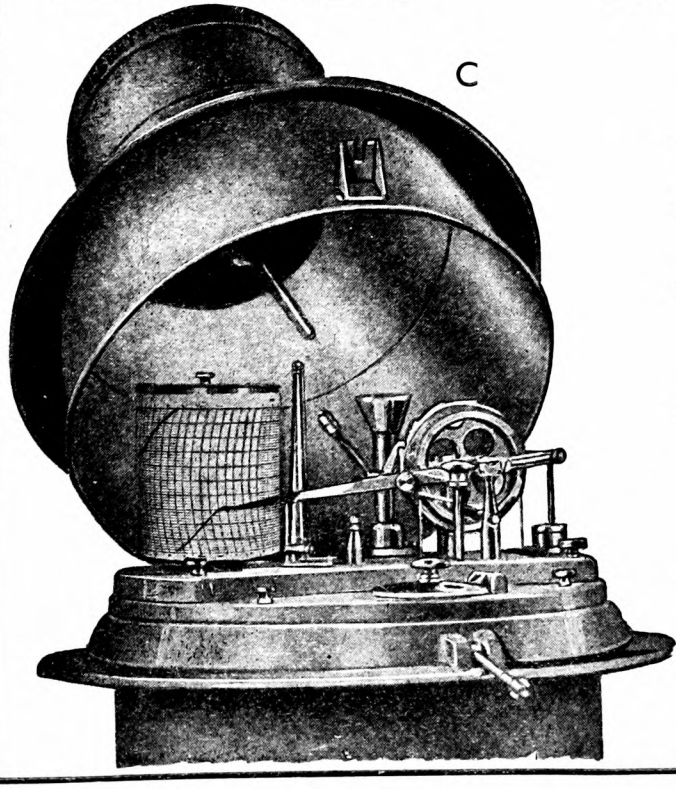

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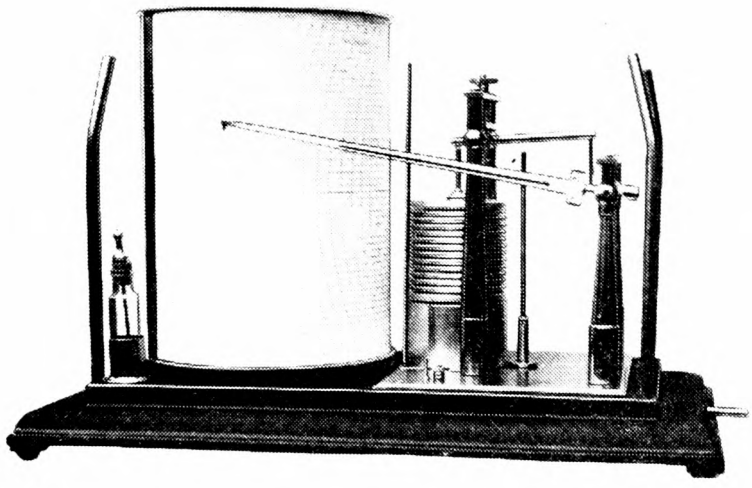

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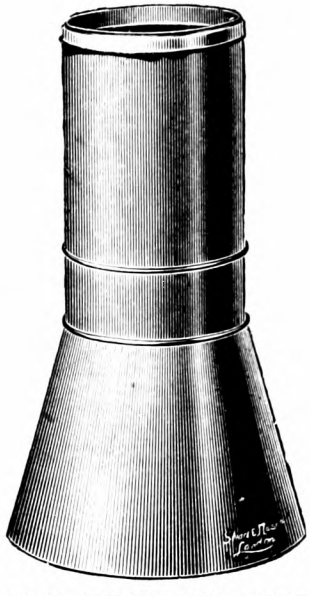

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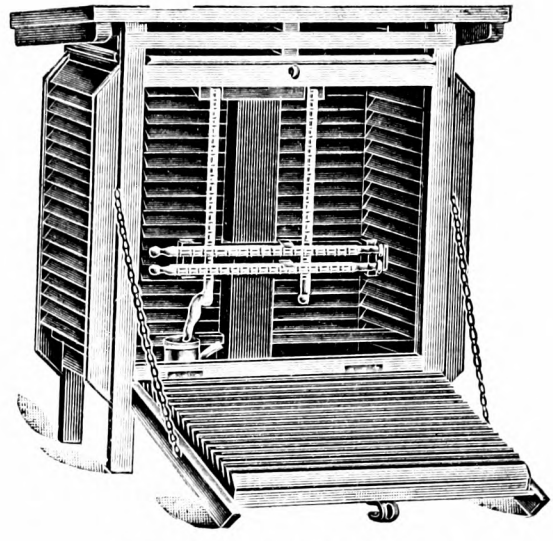

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BRITISH RAINFALL
1936

Photograph by the *Topical Press Agency*
showing flooding at Bristol as a result of the intense rain of June 29th, 1936.

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METEOROLOGICAL OFFICE

BRITISH RAINFALL

1936

THE SEVENTY-SIXTH ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

Report on the

DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER THE
BRITISH ISLES DURING THE YEAR
1936 AS RECORDED BY OVER 5,500
OBSERVERS IN GREAT BRITAIN AND
IRELAND

WITH MAPS AND ILLUSTRATIONS

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Erratum in "British Rainfall," 1934.

p. 205. C. Lancs., 1. *delete* Burnley (Swinden) *Upper g.* and values relating thereto.

Errata in "British Rainfall," 1935.

p. 74. General Monthly Rainfall, England and Wales.

Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
2·0	4·1	1·0	3·9	1·4	3·8	·8	2·6	5·3	5·1	6·0	3·8	39·8

p. 119. England and Wales (general mean, 70 stations) Oct. 127%

p. 180. S. Devon. 7. Honiton (Beech Grove) *delete* entry in column headed "Days with ·04 in. or more."

p. 200. S. Lancs. 3. *for* Eagley (Sewage works) *read* Turton (Turton Tower).

p. 201. C. Lancs., 1. *delete* Burnley (Swinden) *Upper g.* and values relating thereto.

p. 208. *after* Nidderdale (West Houses) *insert* **12.—OUSE—Ure. 110 sq. mi.**

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BRITISH RAINFALL, 1936

PART I

THE WORK OF THE BRITISH RAINFALL ORGANIZATION

BRITISH RAINFALL, 1936.

PART I.

THE WORK OF THE BRITISH RAINFALL ORGANIZATION

FOREWORD.—In this volume of *British Rainfall*, certain changes have been made, to which it is desired to draw attention.

As was foreshadowed last year, a new classification-diagram has been introduced in Part II, Section 6 (Heavy falls in short periods), replacing the diagram due to Dr. H. R. Mill which had been in use since 1908. The method employed for the construction of the new diagram, and the reasons for making the change, were fully explained in an article in Part IV of the volume for 1935.

An important change has been made in regard to the monthly rainfall charts which appear in Part II Section 8. In recent years the charts printed in this Section have been reproduced from large charts on which the monthly totals from nearly all available stations were plotted. They could not be prepared, therefore, until after the annual returns had been received at the close of the year. The Organization has, however, been responsible also for the preparation of charts for inclusion in the *Monthly Weather Report*. This requirement made it necessary to draw, at the end of each month, what may be described as a " first draft " of the monthly rainfall chart, based on returns from about 1,000 stations, including the official stations and climatological stations, from which monthly returns were received. Experience has shown that the first draft prepared in this manner usually differed little from the final chart as reproduced in *British Rainfall*. It was clearly desirable that the charts published in the *Monthly Weather Report* should be identical with those published in *British Rainfall*, and it became evident, on investigation, that by arranging for the receipt of some hundreds of additional monthly returns from certain areas the " first draft " could be made so good that revision at the end of the year would not in general be necessary. Such a change would have the effect of spreading the work more uniformly over the year and thus avoiding the congestion that occurred at the beginning of each year under the old scheme. The introduction of this new arrangement has enabled other desirable changes

to be made and thus to accelerate the date of publication of the volume.

These other changes concern mainly the selection of stations for the tables of Part II, viz. tables V, VIII, XI, XX, XXI & XXII. Previously these tables were prepared in part from stations received annually but now all these records are sent monthly, so that work on these tables can be put in hand as soon as the volume for the previous year has been completed. These changes were desirable on other grounds. The reader will find, for example, that all the stations for which percentages are now given in Table XXI are included also in the table of monthly rainfall, Table XX. The number of changes in the selected stations has been kept to the minimum necessary to give effect to such considerations.

Sincere thanks are due to the numerous observers, including many water engineers, who have agreed, on being asked to do so, to forward returns monthly instead of annually. The Organization cannot, unfortunately, handle 5,000 or more rainfall returns monthly; it was therefore necessary to limit the number of stations to those which were needed for a satisfactory geographical representation. We shall continue to plot the annual totals from all stations and to use all available returns in the general work of the Organization. The co-operation of the great body of observers who are asked to send returns only at the close of the year is therefore as valuable, and as much appreciated, as ever.

For assistance in the collection of the rainfall returns for the year we are especially indebted to officials of various local organizations, among whom may be mentioned:—Mr. C. P. Sinclair, of the Hertfordshire Natural History Society and Field Club; Mr. R. H. Primavesi, of the Northamptonshire Natural History Society; Lt.-Col. C. D. Drew, D.S.O., F.S.A., Curator and Secretary of the Dorset Natural History and Archæological Society; Col. H. C. Copeman, of the Norfolk Rainfall Organization; Mr. A. P. Jenkin, of the Cornwall Rainfall Association; Mr. A. J. Jenkins, of Jersey; Miss Cordelia Marshall, of Ambleside; Mr. W. Dunbar, of Kilmarnock; Mr. E. W. M. Murphy, of the Irish Rainfall Association and Mr. F. B. Goodman (Engineer to the Somerset Rivers Catchment Board), Secretary of the Mid-Wessex Rainfall Association.

THE STAFF OF OBSERVERS.—The detailed account of the rainfall of the year 1936 over the British Isles, which is presented in this volume, follows the lines of previous issues. The basis of the discussion is a collection of about 5,500 returns of rainfall measurements for the year received from all parts of the country. The measurements are generally made every day, but in inaccessible districts they may be made only once a week or even once a month.

The Meteorological Office relies almost entirely on the returns contributed either by private persons, who measure the rainfall primarily as a matter of private interest, or by public local authorities, and especially the authorities of water undertakings, who find that a knowledge of the rainfall in their locality is indispensable to them in their work. These observers forward copies of their observations voluntarily for preservation by the British Rainfall Organization of the Meteorological Office as national records, and for use not only in the preparation of the annual volumes of *British Rainfall* but also for the purposes of study and research. In this way records which are primarily of local interest acquire a national value which was not always realized by those who initiated them. To the numerous voluntary observers who forward their observations the Organization desires to acknowledge its indebtedness : it would be quite impossible to compile such an account as this without their assistance and goodwill.

In order to ensure, so far as possible, that the various records of rainfall summarized in the volume may be comparable with one another, the Organization issues to each observer and to anyone who is interested, a copy of a pamphlet entitled *Rules for Rainfall Observers*. This pamphlet was originally drawn up by the late Mr. G. J. Symons, F.R.S., founder of the Organization, and although it has been extensively revised since his time, yet the fundamental rules laid down by him remain practically unaltered. A new edition was prepared and issued during 1934.

The total number of records printed in Part III of this volume is 5,537, an increase of 14 records over last year. As many as 303 additional records are included in the volume, while 289 records printed in *British Rainfall*, 1935, are no longer available. Details as to the numbers of records printed in earlier volumes are given in a separate table.

Amongst the groups of records included for the first time in *British Rainfall*, reference may be made to the following :—six stations maintained by the Great Ouse Catchment Board ; two stations by the Bristol W.W. in the Mendips ; seven stations by the Stockport W.W. on Kinder Scout at altitudes varying from 950 ft. to 2,050 ft. (the gauge at Kinder (Source) at 2,050 ft. gives 68·21 inches) ; three stations maintained by the Derwent Valley Water Board over the area just to the south-east of Kinder Scout.

The following records from areas previously unrepresented by gauges also call for special comment :—at Tintagel ; Hare Syke, at an altitude of 1,610 ft. to the east of Lancaster, giving for 1936 as much as 74·97 inches ; Grassington, near Pateley Bridge ; Rothbury (Waterleap) ; Bewcastle (Ashycroft) to the west of Haltwhistle.

Rainfall records for 1936 and for earlier years have been received

British Rainfall, 1936, *compared with* 1935.
Number of Records Published.

	Gain.	Loss.	Difference.	Per cent. change in year.
England	241	216	+ 25	+0·6
Wales, etc.	14	20	− 6	−1·2
Scotland	31	36	− 5	−0·6
Ireland	17	17	0	0·0
British Isles	303	289	+ 14	+0·3

Number of Rainfall Records Published in the Volumes of "British Rainfall" for the undermentioned Years.

Years.	England.	Wales, etc.	Scotland.	Ireland.	British Isles.	Change from previous year.	No. of Stations per 100 sq. mi.
1861	333	9	109	20	471	+ 47	0·4
1871	1038	88	311	67	1504	+ 5	1·2
1881	1548	131	313	153	2145	+ 41	1·8
1891	2091	168	359	181	2799	+ 23	2·3
1901	2616	253	442	195	3506	+ 13	2·9
1911	3705	397	701	271	5074	+198	4·2
1914	3962	450	753	288	5453	+ 83	4·5
1919	3419	436	766	277	4898	−101	4·1
1920	3460	453	758	281	4952	+ 54	4·1
1921	3577	446	784	271	5078	+126	4·2
1922	3601	470	785	270	5126	+ 48	4·2
1923	3406	442	754	262	4864	−262	4·0
1924	3438	438	756	248	4880	+ 16	4·0
1925	3437	439	750	259	4885	+ 5	4·0
1926	3418	442	775	238	4873	− 12	4·0
1927	3491	448	786	245	4970	+ 97	4·1
1928	3585	441	791	251	5068	+ 98	4·2
1929	3665	453	797	265	5180	+112	4·3
1930	3765	455	834	262	5316	+136	4·4
1931	3763	454	850	262	5329	+ 13	4·4
1932	3798	474	860	251	5383	+ 54	4.5
1933	3793	474	878	250	5395	+ 12	4·5
1934	3846	491	874	250	5461	+ 66	4·5
1935	3899	497	870	257	5523	+ 62	4.6
1936	3924	491	865	257	5537	+ 14	4·6
Difference from 1935	+25	−6	−5	0	+14		0·0

County.	Records in 1935.	Records Lost.	Records Gained.	Records in 1936.	Records per 100 sq. mi. of area.
ENGLAND.					
London	51	2	0	49	42
Surrey	215	12	24	227	31
Kent	184	11	8	181	12
Sussex	180	9	15	186	13
Hampshire ..	174	16	8	166	10
Berkshire ..	73	3	4	74	10
Middlesex ..	59	4	7	62	27
Hertfordshire	88	5	6	89	14
Buckinghamshire	48	2	6	52	7
Oxfordshire ..	58	5	2	55	7
Northampton ..	68	3	3	68	7
Huntingdonshire	7	0	0	7	2
Bedfordshire ..	28	1	4	31	7
Cambridgeshire	38	3	5	40	5
Essex	107	9	15	113	7
Suffolk ..	61	4	5	62	4
Norfolk ..	88	6	8	90	4
Wiltshire ..	76	4	6	78	6
Dorsetshire ..	96	5	6	97	10
South Devon ..	194	11	10	193	11
North Devon ..	41	1	1	41	5
Cornwall ..	89	5	5	89	7
Somersetshire ..	182	15	17	184	11
Gloucestershire	104	8	4	100	8
Herefordshire	42	3	3	42	5
Shropshire ..	48	3	5	50	4
Staffordshire	71	7	1	65	6
Worcestershire	62	1	3	64	9
Warwickshire	59	0	2	61	6
Leicestershire	42	1	3	44	5
Rutlandshire ..	3	0	0	3	2
Lincolnshire ..	66	4	7	69	3
Nottinghamshire	59	2	0	57	7
Derbyshire ..	99	8	13	104	10
Cheshire ..	96	6	1	91	9
South Lancs. ..	132	6	5	131	19
Central Lancs. .	78	3	0	75	14
North Lancs. ..	54	3	3	54	9
Yorkshire, W.R.	329	4	5	330	11
Yorkshire, E.R.	26	2	4	28	2
Yorkshire, N.R.	97	2	2	97	5
Durham	52	1	4	55	5
Northumberland	40	0	2	42	2
Cumberland ..	59	6	4	57	4
Westmorland ..	76	10	5	71	9
MONMOUTH, WALES, ETC.					
Monmouth ..	33	0	1	34	6
Glamorgan ..	71	3	1	69	9
Carmarthen ..	17	1	0	16	1·7
Pembroke ..	11	3	1	9	1·5
Cardigan ..	22	0	0	22	3
Brecon	83	0	0	83	11
Radnor	25	1	2	26	5
Montgomery ..	27	2	1	26	3
Flint	21	0	1	22	9
Denbigh	48	1	1	48	7
Merioneth ..	33	1	5	37	6
Carnarvon ..	55	2	0	53	9
Anglesey ..	17	3	0	14	5
Isle of Man ..	8	1	0	7	3
Channel Islands	26	2	1	25	34
SCOTLAND.					
Wigtown ..	13	0	0	13	3
Kirkcudbright	30	1	0	29	3
Dumfries ..	17	3	1	15	1·4
Roxburgh ..	15	2	0	13	2
Selkirk	3	0	0	3	1·1
Peebles ..	13	0	1	14	4
Berwick ..	13	3	0	10	2
E. Lothian ..	13	0	1	14	5
Midlothian ..	37	0	0	37	10
W. Lothian ..	16	1	0	15	13
Lanark	51	0	1	52	6
Ayr	97	3	3	97	9
Renfrew ..	39	1	0	38	16
Dumbarton ..	29	0	0	29	11
Stirling	45	1	4	48	10
Bute	7	0	1	8	4
Argyll	64	2	6	68	2
Clackmannan ..	6	0	0	6	11
Kinross	6	0	0	6	8
Fife	32	1	0	31	6
Perth	70	3	3	70	3
Angus	42	0	1	43	5
Kincardine ..	13	3	0	10	3
Aberdeen ..	37	1	0	36	1·8
Banff	10	1	0	9	1·4
Moray	15	2	2	15	3
Nairn	8	0	1	9	6
Inverness ..	71	5	4	70	1·7
Ross & Cromarty	25	3	2	24	·7
Sutherland ..	7	0	0	7	·3
Caithness ..	10	0	0	10	1·4
Orkney	11	0	0	11	3
Shetland ..	5	0	0	5	·9
IRELAND.					
Cork	21	2	3	22	·8
Kerry	12	2	0	10	·5
Waterford ..	6	0	0	6	·8
Tipperary ..	9	1	3	11	·7
Limerick ..	8	1	2	9	·9
Clare	6	0	0	6	·5
Wexford ..	5	0	0	5	·6
Kilkenny ..	3	0	0	3	·4
Wicklow ..	8	0	1	9	1·2
Carlow	3	0	0	3	·9
Leix	2	0	0	2	·3
Offaly	7	0	1	8	1·0
Kildare	5	0	2	7	1·1
Dublin	26	1	1	26	7
Meath	6	0	1	7	·8
Westmeath ..	6	0	0	6	·8
Louth	2	1	1	2	·6
Longford ..	6	1	0	5	1·2
Galway	11	0	0	11	·5
Roscommon ..	4	1	0	3	·3
Mayo	9	2	0	7	·3
Sligo	2	0	0	2	·3
Leitrim	5	0	0	5	·8
Cavan	2	0	0	2	·3
Fermanagh ..	8	0	0	8	1·1
Monaghan ..	0	0	0	0	·0
Armagh	8	0	0	8	1·6
Down	17	2	1	16	1·7
Antrim	19	0	0	19	1·6
Londonderry ..	17	0	0	17	2
Tyrone	5	0	1	6	·5
Donegal ..	9	3	0	6	·3

in a number of cases, including those at the National Oil Refineries Ltd., at Neath since 1925; Mr. R. Wadham, the head gardener at Barnwood House, Gloucester since 1927; Mr. J. G. Sargent at Ranmore near Caversham since 1930; Miss M. O. Williams at Uplyme, Axminster since 1930 and Sir Charles Frederick at Lamport Grange, Northamptonshire since 1932. The headmaster at the Bicester C. E. School sent records for the years 1927 to 1934; Mr. A. W. Fletcher at the City of London Mental Hospital, Stone, records for fourteen years prior to 1923 and Mr. T. Beacon at Heronshaw, Belleek in County Fermanagh records for the 31 years, 1872 to 1902.

Rainfall records for early years are occasionally received and added to the files preserved for the use of the general public. Amongst these special reference must be made to those supplied by Mr. C. G. Britton, a member of the staff of the Office at Shoeburyness, as a result of his searches at the British Museum, viz.:

Chelmsford	..	1737 to 1742, monthly totals
Malton	..	1736 to 1742, ,,
Darlington	..	1736 to 1742, ,,
Cork ..	..	1738 to 1748, annual totals

RECORDING RAIN-GAUGES.—Details from recording rain-gauges are given in Section 5, Duration of Rainfall, and in Section 6, Intense Falls in Short Periods. The number of stations reporting duration of rainfall has increased from 93 in 1935 to 101 in 1936. Additional gauges have also been set up during the year by local authorities in Surrey at the instigation of the Surrey County Council, in order to provide data for use in the plans of works for minimising the risk of flooding in certain localities. The local authorities in many other towns are also installing recording gauges in connection with flood prevention schemes. Additional records are especially desired in many parts of Ireland, the northern half of Scotland, Wales and north of England, since these areas are now almost entirely unrepresented in Tables XII and XIII. Details of the new standard recording gauge (The Dines Tilting Syphon), introduced for use at Official stations during the year, are given in Section 5, Duration of Rainfall. In order to make the fullest use of the records from a recording gauge it should, of course, be set up alongside an ordinary gauge, from which the daily amounts of rainfall should be taken.

CHANGES IN COUNTY BOUNDARIES.—As a result of the 1929 Local Government Act, the boundaries of all Counties in England are at present being reviewed for the purpose of straightening out anomalies and abolishing detached areas. While these adjustments are likely to be numerous for some while to come, they are not likely to involve the transference of many rainfall stations from one county to another. In the present volume Kinson (Eglinton) and Kinson

(Elmbrook) are now given in Hampshire 2, and Dudley (Shavers End) in Worcestershire 5. These changes are indicated in the General Table, Part III.

No changes in the areas of each river division and each county have hitherto been made in the General Table, but all such adjustments resulting from the various changes in County boundaries up to September 1935 have been carried out in this volume. Changes have been made in the following cases, the new areas in square miles being also given :—

Revised Areas of River Divisions and Counties due to changes in County Boundaries

	sq. mi.		sq. mi.		sq. mi.
Hants., 2	37	Gloucester, 2 ...	185	Lincs., 1	99
Hampshire	1,627	Gloucester, 3 ...	369	Lincolnshire	2,645
		Gloucester, 4 ...	68		
Cambs., 3	105	Gloucester, 5 ...	208		
Cambridgeshire .	863	Gloucester, 6 ...	17	Derby, 6	426
		Gloucester, 7 ...	340	Derby, 8	138
Norfolk, 5	16	Gloucestershire..	1,237	Derbyshire	1,017
Norfolk	2,041				
		Staffs., 3	513	Cheshire, 1	187
Wilts., 1	383	Staffordshire ...	1,166	Cheshire	1,014
Wilts., 6	154				
Wiltshire	1,370	Worcs., 1.....	222		
		Worcs., 2.....	200	S. Lancs., 2.....	244
Dorset, 3	501	Worcs., 3.....	251	S. Lancs., 4.....	54
Dorset, 4	384	Worcs., 4.....	3	S. Lancashire ..	700
Dorsetshire	983	Worcestershire .	732		
		Warwick, 1	640	Yorks. W.R., 5 .	9
Somerset, 1	294	Warwick, 4	287	Yorks. W.R., 7 .	574
Somersetshire ..	1,624	Warwickshire ..	944	Yorkshire W.R.	2,803

AVERAGES PRINTED IN THE GENERAL TABLE OF BRITISH RAINFALL.—Since 1926 a column in the General Table has been devoted to the average annual rainfall at the various stations, and year by year additional values have been given. This information is supplied mainly by the Rainfall Survey which is being carried out for certain counties year by year. In the present volume additional averages are included for parts of Sussex and Northamptonshire, the counties of Midlothian, West Lothian, Renfrew, Dumbarton, Stirling, Clackmannan and Kinross, as well as the Orkney and Shetland Islands. Mr. Cornish, of Keswick, has computed the averages given in italics for Hampshire, Oxford and Suffolk.

INVESTIGATIONS.—Two articles are printed in Part IV of this volume. The first deals with the unusually dry weather experienced in the northern half of Scotland during the period November 1935 to June 1936. The second is a summary by Mr. L. C. W. Bonacina of the snowfall experienced in the British Isles

during the decade 1926 to 1935. This is a supplement to the fifty-year survey included in *British Rainfall*, 1927. The article serves to emphasize to rainfall observers the importance of securing reliable records of the precipitation during periods of snow.

INSPECTIONS.—Some progress was made during the year with the inspection of the stations included in the General Table. It was only possible to inspect about 80 stations, exclusive of Climatological stations and other stations reporting general meteorological observations. The stations inspected were mainly in the neighbourhood of London. Sites for 14 additional gauges were selected in the Wicklow Mountains for the Electricity Supply Board of the Irish Free State, ten additional gauges near Dunford Bridge for the Dewsbury and Heckmondwike W.W. and five for the Aberystwyth W.W. on Plynlimon at altitudes from 1,060 to 1,660 ft. Certain existing stations in these localities were also inspected.

SURVEY MAPS.—The work on the detailed average annual rainfall map of the British Isles on the scale of two miles to the inch, for the period 1881–1915, has been continued. In drawing these maps all the available information is used, averages for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with complete records. The averages so computed are included in Part III of *British Rainfall.* Reduced copies of specimen maps and a description of the method used in their preparation are given in articles published in Part IV of *British Rainfall* 1928 and 1929. In drawing these maps the isohyetal lines are naturally somewhat generalised, and if attention is directed to any small area some amplification of the lines there may prove necessary. Moreover, additional records are always being accumulated so that slight modifications in the lines may subsequently prove necessary. The isohyetal lines have been extended to cover the catchment area of the River Nene, part of Sussex and the counties of Midlothian, West Lothian, Renfrew, Dumbarton, Stirling, Clackmannan and Kinross, together with the Orkney and Shetland Islands.

INQUIRIES.—A large number of inquiries regarding the rainfall of various parts of the country was dealt with. These enquiries cover a wide range. They include the supply of records defining the rainfall experienced in some locality for a specified period, the supply of estimates of the average annual or monthly rainfall for specified places or over certain areas, and advice as to the most suitable instruments and the best exposures for the rain-gauges. Amongst the reports supplied reference may be made to those for the Argyll County Council on the Loch Awe Area; the Ministry of Agriculture in connection with the flooding of the Great Ouse in March 1937; and those in

connection with Water Bills of Hastings, North Devon, North Cotswolds R.D.C. and Wadebridge R.D.C.

Information has been supplied monthly to the Bristol W.W., the Humber Conservancy Board, the Lincolnshire Sugar Co., Ltd., the Community Council of Kent (Sevenoaks), and the Referees of the Stockport Water Bill. Reports were supplied monthly to the Metropolitan Water Board and to the Thames Conservancy.

Data have been supplied monthly to the Catchment Boards of the Rivers Mersey and Irwell, River Avon (Bristol), Cheshire Rivers and River Nene. Advice has also been given on the distribution of recording stations in the case of a number of Catchment Boards.

Advice has also been given as to the selection of suitable sites for rain-gauges in certain exposed moorlands. These include parts of the Wicklow Mountains, the southern Pennines, and Plynlimon.

OBITUARY.—During the twelve months 1st July, 1936, to 30th June, 1937, reports have been received of the deaths of 72 observers who have contributed to volumes of *British Rainfall*. Of these 16 have kept rainfall records, or been associated with relatives who have kept records for 30 years or more. A list of these is given below. In most cases the records have been maintained throughout by the same observer.

Name.	Last place of observation.	No. of years' records.
Major C. A. Markham ..	Flore, Northamptonshire ..	61
J. Hunter, Esq.	Belper (Quarry Bank), Derbyshire	60
Lt.-Col. W. A. Bentley ..	Broadford (Hurdlestown), Clare .	51
Lord Strachie	Pensford (Sutton Court), Somersetshire.	49
J. Brocklebank, Esq.	Carlton-le-Moorland, Lincolnshire	43
Dr. A. Palmer	Mortimer (Wokefield Park) Berkshire.	41
E. W. Knatchbull, Esq. ..	Bradford-on-Avon (Winsley Manor, Wiltshire.	39
A. R. White, Esq.	Mere (Charnage), Wiltshire ..	39
Miss H. M. Hutton	Dursley (The Manor), Gloucestershire.	37
C. W. Nix, Esq.	Worth (Worth Lodge), Sussex ..	35
H. Lee Dykes, Esq.	Strathaven (East Overton House), Lanark.	32
E. H. Thornhill, Esq. ..	Boxworth (Manor House), Cambridgeshire.	32
Miss E. Hedges	Wallingford Castle, Berkshire ..	31
F. W. Clark, Esq.	Mull (Ulva), Argyll	30
W. Roberts Ovens, Esq. ..	Galashiels (The Peel, Clovenfords), Selkirk.	30
Sir George Shedden	East Cowes (Spring Hill), Hampshire.	30

Major Christopher Alexander Markham, who died at his home at Flore, Northampton in April 1937 had maintained rainfall records at Pitsford (Sedgebrook) since 1875 and also at Flore since 1927. For nearly 50 years he was Secretary of the Northamptonshire Archæological and Architectural Society and a member of the Council of the Northamptonshire Record Society. Major Markham did much to stimulate the recording of rainfall in his own county and as early as *British Rainfall*, 1889, six records were received from him. In the following years, and up to 1924, Major Markham acted as a local collector of rainfall records. These records were made available for inclusion in the annual volumes of *British Rainfall*. Since then the work has been carried on by the Northamptonshire Natural History Society.

Mr. John Hunter, who died on March 12th, 1937, at Quarry Bank, Belper in his 84th year, established a meteorological station at Field Head House, Belper in 1876. He transferred his station to Northfield in 1883 and to Quarry Bank in 1899. From 1880 to 1911 summaries of his observations were published in the *Meteorological Record* of the Royal Meteorological Society, and from 1912 to 1934 in the *Monthly Weather Report*. In February, 1935, on the death of his wife, who had assisted him for many years in his climatological work, Mr. Hunter was obliged to discontinue the greater part of his observations. The rainfall record was continued to complete 1936 and thus covers the long period of 60 years.

BRITISH RAINFALL, 1936

PART II

RAINFALL AND METEOROLOGY

1936

1. A BRIEF SUMMARY OF THE RAINFALL OF THE YEAR, 1936.

The rainfall of 1936 over the British Isles as a whole was 105 per cent. of the average. Thus the remarkable run of wet years, which commenced in 1923 and lapsed only in 1933 and 1934, was continued. A comparison of the rainfall of the seven years 1930 to 1936 is set out below.

Annual Rainfall as per cent. of average, 1881–1915.

	1930	1931	1932	1933	1934	1935	1936
	%	%	%	%	%	%	%
England and Wales ...	117	109	103	81	95	113	109
Scotland	109	104	108	80	110	108	94
Ireland	116	111	95	77	105	98	105
British Isles	115	109	102	80	100	109	105

The mean annual rainfall during the fourteen years 1923 to 1936 was 109 per cent. of the 1881 to 1915 average over England and Wales, 106 over Scotland, 106 over Ireland and 107 over the British Isles as a whole.

Over the British Isles as a whole 1936 was not as wet as 1935 but wetter than 1934; over England and Wales 1936 was slightly drier than 1935; over Scotland 1936 ranks as the driest year since 1922, with the one exception of 1933; over Ireland 1936 was wetter than either 1935, 1933 or 1932. The total rainfall over Scotland was less than the average during each of the five months February to June.

The main features of the map showing the distribution of the rainfall as a percentage of the average were the area in the west of Scotland from Fort William to Ullapool with less than 80 per cent. and the numerous small areas in England and Wales with more than 120 per cent. of the average.

Over the British Isles as a whole the rainfall of the periods January to May and September to December approximated closely to the average. The rainfall of the three months June to August was more

variable. June and July together contributed an excess of 3·3 inches and August a deficiency of 2·0 inches. July was the wettest July in the series back to 1870, while August was the driest August in a similar period, with but three exceptions, *viz.* those of 1880, 1899 and 1913.

The largest monthly total was 27·75 inches, recorded at Snowdon (Grib Goch) for December, and the smallest ·03 inch at Teignmouth and Rockbeare Manor in August. Falls of three times the monthly averages occurred at isolated stations in both June and July, while in August there was less than 5 per cent. along part of the coast of South Devon.

Most of the droughts and dry spells occurred during part of April, or during the end of September and beginning of October. At Worthing there were three partial droughts from April 26th to May 29th, August 2nd to September 3rd and September 21st to October 22nd, *i.e.* in all 99 days with only ·76 inch of rain. Most of the rain spells and wet spells recorded during the year occurred after October 10th.

The largest daily entries for any stations were confined mainly to October 24th, December 13th and 19th. As much as 5·80 inches and 5·40 inches occurred for December 19th at Glen Shiel and Glenleven (Blackwater Dam, S.) in the Western Highlands of Scotland. The majority of the entries of intense falls in short periods occurred during June, especially the 21st. The most outstanding falls are given below :—

May 6th	Dunstable (Cement Works) 2·08 in. in 45 mins.
June 29th	Clifton (Oakfield Road) 1·95 in. in 30 mins.
,,	Bristol (Tyndalls Park) 2·00 in. in 40 mins.
,,	Bodmin (Castle Hill House) 2·98 in. in 60 min.
Aug. 10th	Leatherhead (Windfield) 2·68 in. in 60 mins.

2. THE DISTRIBUTION OF RAINFALL IN TIME. THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1936.

The following definitions have been used in *British Rainfall* in order to obtain a homogeneous series of statistics:—

A *rain-day* is a period of 24 hours, commencing normally at 9 a.m., on which ·01 inch, or 0·2 mm. or more of rain is recorded.

A *wet-day* is a period of 24 hours, commencing normally at 9 a.m., on which ·04 inch, or 1·0 mm. or more of rain is recorded.

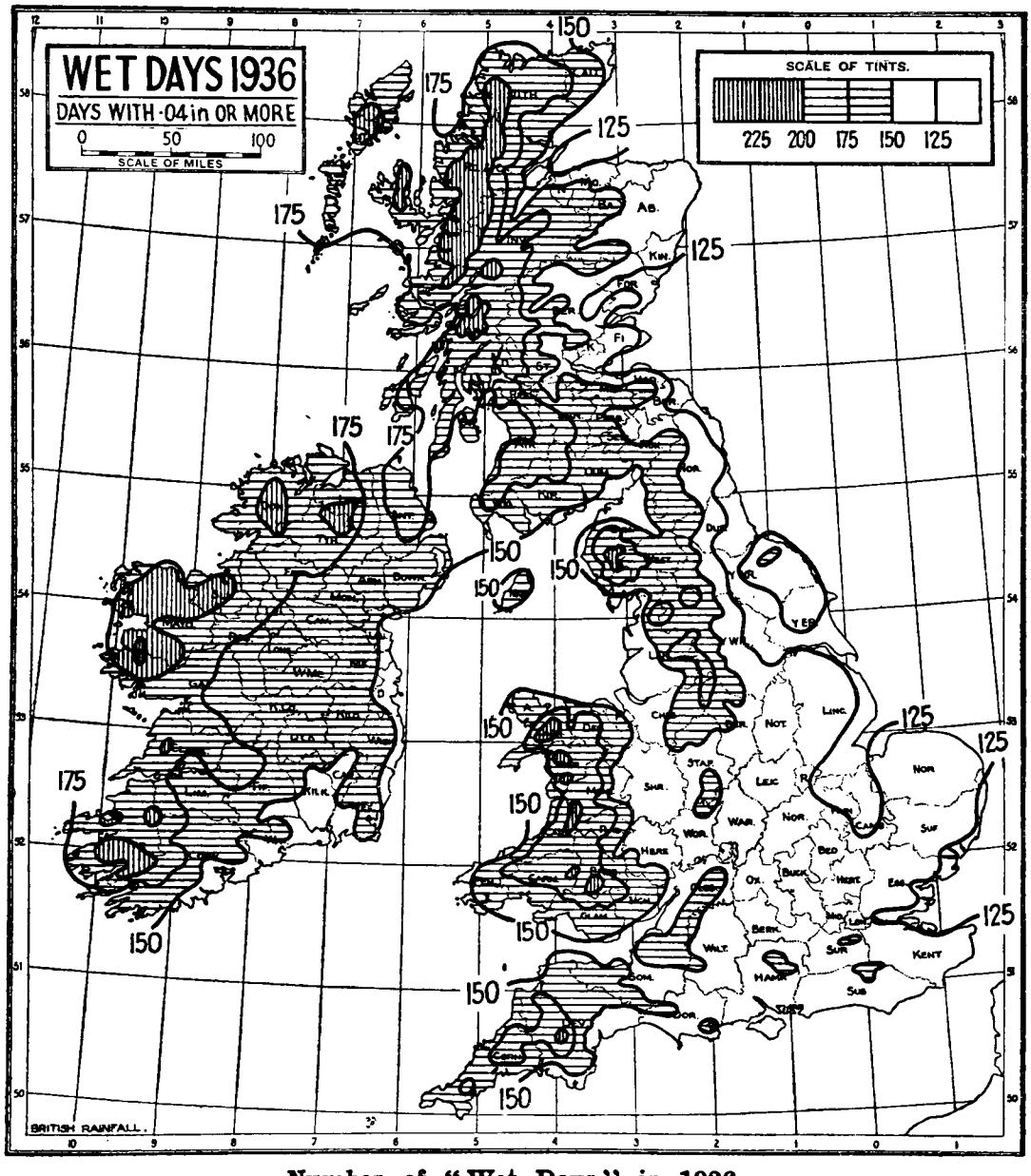
The former definition dates from the year 1865, the latter was adopted only about 1917. Each of the terms "rain-day" and "wet-day" is open to criticism, the latter particularly so, since it has a different meaning in ordinary use. It must, therefore, be understood that whenever these terms are used in this publication the meanings set out above are always to be attached to them.

For reasons which are set out in detail in the article entitled "The distribution over the British Isles in time and space of the annual number of days with rain," in *British Rainfall*, 1926, there is frequently a lack of harmony in the annual values at adjacent stations. Statistics of wet-days are found to be much more consistent than those of rain-days. It was this reason, coupled with the fact that similar data are published for certain other countries of Europe, which led to the introduction of statistics of wet-days. The satisfactory mapping of the annual values of rain-days has always presented considerable difficulties, whereas the values of wet-days have proved sufficiently consistent to enable the distribution to be defined. Maps showing the distribution of wet-days have been included in *British Rainfall* since 1919. The experience gained in drawing these maps of wet-days annually has been utilised in interpreting the average values of rain-days as recorded at certain stations during the period 1881 to 1915. Maps showing the distribution of annual and monthly average number of rain-days over the country were published in the Quarterly Journal of the Royal Meteorological Society, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

Information as to the number of rain-days and wet-days during the year is set out in this volume in various forms. As usual, the General Table of rainfall in Part III of this volume shows the number of rain-days and wet-days in 1936 as reported from each station at which daily observations were made. The number of wet-days have been plotted on a large map of which the illustration on p. 5 is a reduced

copy. The distribution of the numbers is shown on the map in the usual manner.

In order to study the distribution of rain-days and wet-days throughout the year, 100 stations have been selected to represent as



Number of "Wet Days" in 1936.

uniformly as possible the conditions over the whole of the British Isles. The numbers of rain-days and wet-days recorded at these stations are given in Table V, and the same stations are used in the preparation of Table VIII, Droughts and Dry Spells, and Table XI, Rain Spells and Wet Spells. There are obvious advantages in having

the monthly totals for these 100 selected stations available for reference in Tables XX and XXI. With this object in mind considerable changes have been made in the list of stations as used last year. Over England and Wales the stations at Tenterden, Worthing, Royston, March, Lowestoft, Bury St. Edmunds, Leicester (Town Hall Square), Derby, Newcastle, Keswick and Carmarthen (Model and Prac. S.), have replaced those at Lympne, Patcham, Peterborough, Cambridge, Haughley, Gorleston, Leicester (Stoughton Drive), Mayfield, Sunderland, Grasmere and Carmarthen (The Friary); over Scotland those at Port William, Stobo Castle, Marchmont House, Stirling, Aberdeen and Stornoway (Matheson Road) have replaced Whithorn, Edinburgh W. W. (Victoria Lodge), Duns Castle, Linlithgow, Stonehaven and Stornoway (C. Stn.); over Ireland the stations at Cork and Delphi Lodge replace those at Glanmire and Ballynahinch Castle. Monthly general numbers (for England and Wales, Scotland, Ireland and for the British Isles) have been evaluated and they are shown in Table V in heavy type. The annual mean values for 1936 are shown again in Tables I and III and the monthly mean values for 1936 in Tables II and IV, where in each case they can be readily compared with similar values for the intervening years from 1917, and with the averages. In the case of rain-days averages are available for the standard period 1881 to 1915, but for wet-days the averages cover only the period 1917 to 1936.

The distribution of the annual number of wet-days during 1936, as shown on the map on the previous page, is very similar to that for earlier years. As in all the other maps there is a steady increase in the number of wet-days from the south-east to the north-west of the British Isles and from the plains of the east coast to the mountainous regions of the west. In 1936 the number varied from about 120 in the neighbourhood of the Thames Estuary, the Wash, the Humber and York to 200 over a number of areas in the mountainous regions in the north-west of Scotland, west of Ireland, the English Lake District, Wales and Dartmoor, with as many as 237 at Delphi Lodge in Connemara. Stations reporting less than 125 wet-days were confined to parts of the east of Great Britain.

The total number of rain-days varied from about 160 in the neighbourhood of the Thames Estuary, to about 250 in parts of Connemara and the mountains of Co. Kerry.

The general values given in Table III indicate that the frequency of wet-days was close to the average for the period 1917 to 1935 as in the years 1934 and 1935. The number for 1936 was 7 more for England and Wales, 16 less for Scotland, 7 less for Ireland and 3 less than the average for the British Isles as a whole.

It should be emphasized that in the case of wet-days comparable statistics are only available back to 1917, and the averages used for

comparison are for the period 1917 to 1936, which includes mainly wet years. The averages are therefore greater than they would have been if statistics covering the standard period 1881 to 1915 were available. This fact is brought out by Table I, which shows that the mean annual number of rain-days during the twenty years, 1917 to 1936, was 210 or 6 more than the average for the standard period 1881 to 1915.

The number of wet-days over the British Isles in each month is given in Table IV. The numbers vary from 7 in May to 19 in January and July. The general number in July of 19 was 6 more than the average and greater than that for any other July since 1920. May and August with 7 and 9 wet-days respectively each gave 5 less than the average, while April with 9 gave 4 less. The total number for April and May together, *viz.*, 16, was less than that in any similar period since before 1917, the previous smallest number being 19 in 1918, 1928 and 1929. June and July together with 31 gave, on the other hand, the largest number in the series with the one exception of June and July, 1931, when a similar number was recorded.

In dealing with the general numbers of rain-days, given in Tables I and II, it is possible to compare the values for 1936 with computed averages for the 35 years, 1881 to 1915. It is shown in Table I that over the British Isles as a whole there were 204 rain-days or precisely the average number. The number of rain-days was 7 more than the average over England and Wales, 8 less over Scotland and 3 more over Ireland.

The number of rain-days over the British Isles in each month is given in Table II. The range is from 10 in May (5 less than the average) to 24 in July (8 more than the average). The total number for April and May together, *viz.*, 23, was less than that of any similar period back to 1917, while July gave the largest number for any July in the series with the one exception of 1920 with a similar number.

During the year the total number of rain-days over the British Isles was 204; of these, 158 received sufficient rain to rank as wet-days. There were 5 more rain-days than wet-days in March and July and either 4 or 3 more in the remaining months.

None of the 100 selected stations failed to record a rain-day during any calendar month of 1936. The smallest number of rain-days was 4, recorded at Oxford in May. Entries of less than 10 rain-days occurred only in March, April, May, June, August and October. As many as 31 rain-days were recorded in July at Treherbert in South Wales and at Valentia in Co. Kerry. Only 2 wet-days were recorded at a few isolated stations in May or August. The largest number of wet-days reported for any month was 29 for December at Poltalloch in the West of Scotland.

Table I.—*Annual General Number of Rain-days (Days with ·01 in. or more) in 1917-1936, compared with Average, 1881-1915*†.

Year.	England and Wales. Average 188.			Scotland. Average 217.			Ireland. Average 220.			British Isles. Average 204.		
	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.
1917	185	− 3	98	217	0	100	224	+ 4	102	203	− 1	100
1918	200	+ 12	106	226	+ 9	104	227	+ 7	103	214	+ 10	105
1919	191	+ 3	102	214	− 3	99	213	− 7	97	203	− 1	100
1920	203	+ 15	108	232	+ 15	107	243	+ 23	110	220	+ 16	108
1921	158	− 30	84	224	+ 7	103	217	− 3	99	190	− 14	93
1922	196	+ 8	104	234	+ 17	108	226	+ 6	103	214	+ 10	105
1923	216	+ 28	115	257	+ 40	118	253	+ 33	115	236	+ 32	116
1924	202	+ 14	107	237	+ 20	109	248	+ 28	113	223	+ 19	109
1925	192	+ 4	102	231	+ 14	106	230	+ 10	105	212	+ 8	104
1926	192	+ 4	102	234	+ 17	108	226	+ 6	103	211	+ 7	103
1927	208	+ 20	111	233	+ 16	107	238	+ 18	108	223	+ 19	109
1928	204	+ 16	109	240	+ 23	111	247	+ 27	112	225	+ 21	110
1929	165	− 23	88	217	0	100	218	− 2	99	192	− 12	94
1930	207	+ 19	110	223	+ 6	103	232	+ 12	105	217	+ 13	107
1931	199	+ 11	106	233	+ 16	107	235	+ 15	107	217	+ 13	106
1932	190	+ 2	101	219	+ 2	101	214	− 6	97	204	0	100
1933	162	− 26	86	193	− 24	89	191	− 29	87	177	− 27	87
1934	187	− 1	99	229	+ 12	106	232	+ 12	106	209	+ 5	103
1935	195	+ 7	104	218	+ 1	100	223	+ 3	101	208	+ 4	102
1936	195	+ 7	104	209	− 8	96	223	+ 3	101	204	0	100

† The averages for the period 1881–1915 are based on the records from about 100 stations distributed as evenly as possible over the country. The selection of stations is described in an article in *British Rainfall*, 1926, p. 267, and the general number of rain-days in each year from 1881 will be found in Table I of that article.

Table II.—*Monthly General Number of Rain-days (days with ·01 in. or more) in 1917 to 1936, British Isles, with Average, 1881-1915*‡.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1917 ..	15	12	19	16	13	14	12	23	17	25	20	17	203
1918 ..	20	20	12	12	13	13	19	17	25	22	16	25	214
1919 ..	23	12	20	18	11	16	11	16	16	14	20	26	203
1920 ..	24	17	21	23	19	13	24	13	17	13	16	20	220
1921 ..	25	9	23	11	17	7	12	20	11	16	16	23	190
1922 ..	24	20	17	18	13	15	21	19	17	12	16	22	214
1923 ..	22	24	15	17	19	13	18	21	20	25	19	23	236
1924 ..	22	15	10	16	23	17	20	23	20	19	16	22	223
1925 ..	18	23	16	19	23	5	16	17	21	19	15	20	212
1926 ..	24	20	14	17	19	14	14	17	16	17	24	15	211
1927 ..	23	16	21	18	12	20	18	21	22	17	21	14	223
1928 ..	27	17	21	16	11	20	14	19	12	23	23	22	225
1929 ..	14	14	5	13	14	15	14	21	11	22	23	26	192
1930 ..	23	9	19	16	15	12	18	23	18	24	19	21	217
1931 ..	22	22	11	19	19	18	22	15	14	15	22	18	217
1932 ..	19	7	15	22	21	7	20	13	20	25	17	18	204
1933 ..	16	18	16	12	17	12	16	14	9	19	15	13	177
1934 ..	21	8	20	19	14	12	13	19	18	23	15	27	209
1935 ..	16	20	12	19	8	21	11	13	22	24	23	19	208
1936 ..	22	17	17	13	10	15	24	13	16	17	19	21	204
Average	19	17	18	15	15	14	16	17	15	19	19	20	204

‡ The average general values for England and Wales, Scotland and Ireland separately are given in *British Rainfall*, 1927, p. 7, and are discussed in an article on *The Distribution over the British Isles of the average number of days with rain during each month of the year.*—Q.J.R. Meteor. Soc. Vol. 54, 1928.

Table III.—*Annual General Number of Wet-days (Days with ·04 in. or more) in* 1917 *to* 1936, *with Average.*

	England and Wales.	Scotland.	Ireland.	British Isles.
1917	134	174	176	155
1918	150	182	188	168
1919	143	172	171	158
1920	151	185	197	171
1921	110	177	166	142
1922	146	181	178	163
1923	159	206	198	182
1924	154	184	199	173
1925	143	179	180	162
1926	141	184	173	161
1927	156	184	185	171
1928	151	193	200	175
1929	121	170	170	147
1930	155	174	186	168
1931	145	180	182	163
1932	136	168	165	152
1933	115	145	142	130
1934	137	183	182	160
1935	149	174	177	163
1936	149	162	172	158
Average 1917-36	142	178	179	161

Table IV.—*Monthly General Number of Wet-days (Days with ·04 in. or more) in* 1917 *to* 1936, *British Isles, with Average.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1917 ..	11	8	14	13	10	10	9	20	12	21	15	12	155
1918 ..	15	17	9	9	10	9	15	12	22	16	13	21	168
1919 ..	19	9	15	14	8	12	8	12	13	11	15	22	158
1920 ..	20	13	17	19	15	10	19	9	13	9	12	15	171
1921 ..	20	5	17	8	13	5	10	15	7	12	12	18	142
1922 ..	20	16	13	14	9	11	16	15	13	8	11	17	163
1923 ..	15	20	11	13	14	8	13	17	16	21	16	18	182
1924 ..	17	9	7	12	19	13	17	18	16	15	12	18	173
1925 ..	14	19	11	15	18	3	12	13	15	14	12	16	162
1926 ..	20	15	9	12	15	11	11	13	12	14	19	10	161
1927 ..	19	13	17	13	8	16	13	17	17	13	15	10	171
1928 ..	23	13	16	11	8	16	10	15	9	19	18	17	175
1929 ..	9	10	3	8	11	11	11	16	8	17	20	23	147
1930 ..	19	5	14	12	11	9	14	18	14	20	16	16	168
1931 ..	17	18	7	14	15	14	17	11	9	11	18	12	163
1932 ..	15	3	11	18	15	5	16	9	15	20	12	13	152
1933 ..	12	14	13	9	12	10	12	10	6	14	10	8	130
1934 ..	16	4	16	14	11	9	10	15	15	18	10	22	160
1935 ..	11	16	9	15	6	17	7	10	18	20	19	15	163
1936 ..	19	13	12	9	7	12	19	9	13	13	15	17	158
Average 1917-36	17	12	12	13	12	10	13	14	13	15	14	16	161

Table V.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1936.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
ENGLAND AND WALES.															in.
London 2	St. Pancras (Camden Square)	20 18	14 11	15 7	14 7	6 3	19 18	20 14	6 5	16 13	13 10	18 12	19 10	180 128	25·69
Kent 1	Tenterden (Ashenden)	24 20	14 13	11 8	8 8	5 2	19 19	19 16	10 6	15 9	16 12	18 17	18 14	177 144	30·26
Sussex 3	Worthing (Beach House Pk.)	20 19	15 13	16 13	10 7	6 2	16 11	22 19	6 4	15 10	12 9	15 14	16 13	169 134	27·42
Hampshire .1	Ventnor (Royal National Hos.)	25 20	18 12	18 14	11 8	6 3	15 13	19 14	4 3	16 11	13 9	18 15	18 14	181 136	32·87
Hampshire .7	Selborne (The Wakes)	25 20	17 14	17 13	12 10	6 3	18 15	28 20	8 5	19 12	13 8	21 16	21 16	205 152	38·66
Herts 3	Royston (Therfield Rectory) ..	19 15	16 12	12 8	13 9	9 5	19 15	24 19	7 5	15 14	17 8	20 12	19 14	190 136	29·59
Oxford 3	Oxford (Radcliffe Met. Stn.) ..	22 19	12 9	17 12	15 11	4 3	17 13	22 16	6 4	16 12	11 8	17 12	20 13	179 132	25·71
Northants ..4	Wellingborough (Swanspool) .	19 16	14 10	19 13	13 11	8 5	20 15	29 21	8 4	19 13	14 10	22 13	19 14	204 145	30·68
Cambridge .2	March	16 14	13 9	10 8	12 11	6 6	15 13	21 20	6 4	11 9	14 11	14 12	10 10	148 127	24·28
Essex 3	Shoeburyness.....	21 20	12 9	9 7	9 8	6 3	17 14	18 15	7 2	18 9	17 12	17 13	17 10	168 122	21·10
Suffolk 4	Lowestoft (Secondary Sch.) ..	18 15	16 13	8 4	15 8	7 2	12 9	19 13	9 5	15 12	21 15	18 13	18 10	176 119	23·38
Suffolk 5	Bury St. Edmunds (Westley H.)	18 18	17 13	10 7	10 8	11 9	18 16	21 20	8 6	17 16	16 12	16 15	14 12	176 152	28·61
Norfolk 3	Sandringham House Gdns....	19 16	15 14	11 4	12 9	10 6	15 15	24 18	7 6	15 13	19 17	18 14	18 12	183 144	30·45
Wiltshire ..3	Larkhill (Sch. of Artillery)....	23 21	16 13	16 13	8 7	9 4	15 9	24 21	5 4	18 14	14 9	17 14	17 13	182 142	28·39
Dorsetshire .3	Poole.....	26 21	18 14	18 13	10 7	9 5	17 11	24 22	6 4	17 11	14 9	16 13	16 11	191 141	32·15
South Devon4	Holne (Church Park Cottage).	28 25	16 14	22 20	11 10	11 7	15 12	28 23	9 5	19 15	13 9	18 14	23 16	213 170	73·04
North Devon2	Barnstaple (N.Dev.Athenæum)	29 23	21 15	21 12	16 8	9 7	15 9	29 23	15 3	16 12	18 12	18 15	23 16	230 155	35·12
North Devon3	Okehampton (Uplands)	27 22	20 16	22 18	16 11	10 7	15 12	28 26	11 6	15 13	13 11	19 17	26 15	222 174	58·31
Cornwall ...2	St. Austell (Trevarna)	27 24	24 19	21 17	15 12	10 8	11 10	27 24	10 5	19 14	15 13	19 18	21 18	219 182	53·52
Somerset ...1	Bath (Henrietta Park).....	21 19	16 12	19 11	13 10	8 6	15 12	24 22	7 3	16 14	13 9	18 15	17 13	187 146	30·68
Somerset ...3	Angersleigh (Leigh Court) ...	26 22	17 12	21 15	13 12	7 7	14 11	28 24	6 2	15 11	12 10	19 16	18 12	196 154	35·49
Hereford ...1	Ross-on-Wye	24 18	15 10	18 15	14 7	8 5	18 13	24 21	4 3	16 11	13 9	18 10	15 11	187 133	33·14
Shropshire .3	Bishops Castle (The Vicarage)	23 18	15 11	18 13	13 11	9 6	15 14	24 18	8 4	15 13	13 9	17 12	20 14	190 143	32·95
Shropshire .4	Shifnal (Hatton Grange).....	21 17	16 14	19 10	17 11	12 7	20 15	29 18	13 7	17 14	16 13	20 13	19 16	219 155	32·81
Warwick ...1	Warwick Castle Gardens.....	21 14	14 10	17 13	12 9	5 5	15 13	28 21	8 3	16 15	14 10	21 10	19 13	190 136	25·71

Table V.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1936.—*(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rainfall.
ENGLAND AND WALES—*(con.)*															in.
Leicester ...4	Leicester (Town Hall Sq.).....	17 14	15 12	15 12	14 10	6 4	17 15	21 16	9 6	14 11	18 12	19 9	15 15	180 136	25·90
Lincoln ...3	Horncastle	20 15	19 9	15 8	16 7	13 6	18 9	25 15	7 5	17 9	19 12	18 12	20 10	207 117	24·84
Nottingham 5	Worksop (Hodsock).....	19 15	16 13	18 9	15 11	6 5	14 13	24 13	8 5	17 10	13 9	18 14	16 12	184 129	26·44
Derbyshire .6	Derby (L.M.&S. Rly.)	22 16	15 13	18 12	11 9	7 3	19 15	22 16	8 8	14 10	18 9	17 12	17 11	(188)(134)	25·45
Cheshire ...2	Northwich (Hunts Lock).....	23 20	15 13	13 9	12 10	8 6	15 12	20 16	11 9	18 12	16 12	18 13	19 15	188 147	31·28
North Lancs 5	Blackpool (Met. Observatory).	22 19	14 11	14 8	15 5	9 4	16 10	20 12	14 9	16 15	16 11	19 15	21 14	196 133	33·63
Yorks. W.R.8	Meltham (Harewood Lodge) ..	24 23	15 13	20 14	17 11	16 9	16 13	23 18	10 8	19 16	22 13	20 16	21 17	223 171	49·79
Yorks. E.R..3	Hull (Pearson Park)	22 15	14 10	15 7	12 8	13 8	12 9	18 15	7 5	15 8	19 13	19 15	19 11	185 124	(26·00)
Yorks. N.R..1	West Witton (Ivy House).....	23 17	12 10	18 13	10 6	12 10	15 12	22 20	9 8	14 11	15 11	16 12	18 15	184 145	39·41
Yorks. N.R. 2	Felixkirk (Mount St. John) ..	24 17	14 11	17 11	14 9	12 8	16 12	23 16	11 10	15 11	16 10	18 14	18 8	198 137	31·77
Yorks. N.R..5	Scarborough	22 16	13 12	13 7	12 8	13 9	13 10	18 16	9 9	12 9	17 10	18 15	16 10	176 131	26·15
North'land .3	Newcastle (Leazes Pk.).....	17 15	12 11	11 10	10 10	9 5	15 11	22 15	12 11	14 12	14 9	13 9	8 6	157 124	29·27
North'land..6	Ilderton (Lilburn Tower Gdns.)	25 19	14 12	18 9	13 11	15 8	11 8	20 17	12 9	17 13	15 10	18 12	17 7	195 135	30·49
Cumberland.1	Geltsdale	25 20	14 12	18 12	15 9	11 4	15 10	21 17	17 12	16 15	20 14	19 17	21 16	212 158	35·12
Cumberland 2	Keswick (High Hill).....	18 15	14 13	19 17	11 8	9 7	11 10	23 17	12 10	15 15	17 15	20 18	20 17	189 162	56·71
Glamorgan..6	Treherbert (Tyn-y-waun).....	26 24	18 14	22 18	18 14	11 10	22 11	31 25	13 10	18 17	15 12	20 17	25 21	239 193	88·40
Carmarthen.2	Carmarthen(Model & Prac. S).	23 20	20 17	18 17	16 12	12 8	16 13	29 25	15 10	17 12	16 11	21 15	22 19	225 179	54·95
Cardigan ...3	Lampeter (Falcondale).....	24 21	19 17	19 13	19 13	11 8	16 11	25 23	12 8	18 18	16 13	18 17	23 20	220 182	53·08
Radnor 1	BirminghamWW (Tyrmynydd)	26 23	21 16	20 14	17 12	13 12	22 15	28 24	12 8	16 14	18 13	22 17	26 22	241 190	66·15
Denbigh ...2	Denbigh (Garn)	24 21	17 13	17 12	13 10	10 9	16 15	21 20	16 10	22 19	18 14	20 19	21 18	215 180	40·91
Merioneth ..4	Dolgelley (Bontddu)	21 20	19 14	17 14	14 12	10 9	16 14	26 24	16 12	19 17	17 16	21 19	22 20	218 191	68·44
Anglesey	Llanerchymedd (Ll'diarth Es.)	22 20	20 15	15 12	11 11	5 5	13 13	25 22	13 9	16 15	19 11	20 20	25 21	204 174	40·23
England and Wales	**(Mean of 47 Stations)**.....	**22 19**	**16 13**	**16 12**	**13 9**	**9 6**	**16 13**	**24 19**	**10 6**	**16 13**	**16 11**	**18 14**	**19 14**	**195 149**	**37·11**

Table V.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1936.—*(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
ISLE OF MAN.															in.
Isle of Man ..	Douglas (Borough Cemetery)..	19 17	17 13	17 13	9 7	12 8	21 18	22 18	16 11	14 14	18 16	21 19	18 15	204 169	50·42
CHANNEL ISLANDS.															
Guernsey	St. Peter Port (Grange Road).	27 27	21 18	18 14	12 9	5 5	13 11	21 17	8 3	16 13	19 13	15 15	18 12	193 157	39·56
SCOTLAND.															
Wigtown ...3	Port William (Monreith)	18 18	14 11	10 10	4 4	8 7	12 12	15 14	13 13	15 14	12 12	14 12	17 13	152 140	40·40
Dumfries ...3	Dumfries (Crichton R. Inst.) ..	21 18	12 9	17 13	9 4	8 7	10 8	20 15	15 9	16 12	15 13	19 16	18 17	180 141	38·02
Peebles.....2	Stobo Castle	16 14	13 13	18 15	14 9	12 7	14 9	26 16	17 12	19 14	19 14	21 17	21 16	210 156	38·03
Berwick ...4	Marchmont House	22 19	15 12	21 11	17 7	12 8	12 6	20 13	14 9	20 13	16 9	21 12	19 10	209 129	30·70
Lanarkshire.5	Strathaven (Dungavel).....	22 19	15 14	16 13	9 5	10 8	13 12	25 21	19 15	21 10	20 17	23 18	28 24	221 176	46·63
Ayrshire....6	Maybole (Culzean Castle Gdns.)	22 20	16 14	16 11	12 6	12 9	16 12	18 17	15 13	13 13	17 14	20 19	21 21	198 169	42·62
Renfrew ...3	Greenock (Prospect Hill).....	22 18	15 13	20 13	8 5	12 9	15 12	21 16	22 12	17 12	17 15	20 18	27 23	216 166	56·43
Stirling.....1	Falkirk (Westbank) *Gdn.*	22 17	17 14	16 13	10 5	12 3	11 8	23 18	15 13	13 12	17 12	22 17	22 18	200 150	35·00
Buteshire ..3	Dougarie Lodge.....	23 17	17 8	18 12	12 7	14 8	11 9	20 15	18 12	15 12	20 14	20 14	27 25	215 153	41·62
Argyllshire..8	Lochgilphead (Poltalloch)....	17 17	17 15	22 20	9 5	10 7	13 12	20 18	20 18	14 11	20 20	19 19	29 29	210 191	59·40
Argyllshire.14	Islay (Eallabus)	22 19	18 13	20 17	9 6	12 10	10 10	20 17	22 15	13 12	22 20	20 19	29 26	217 184	46·99
Argyllshire.14	Mull (Gruline)	26 19	19 14	24 18	14 8	13 12	14 11	25 18	26 15	21 15	22 19	21 18	28 27	253 194	70·24
Argyllshire.14	Tiree.....	23 20	16 12	22 16	9 7	13 8	14 10	15 9	18 12	16 12	20 18	21 19	28 24	215 167	35·84
Fifeshire....3	Leuchars (Aerodrome)	20 14	14 11	19 14	9 3	13 6	8 6	20 17	11 6	13 9	14 7	16 7	16 12	173 112	26·94
Perthshire .11	Aberfeldy (Dall Avon)	20 16	15 9	19 13	8 3	14 6	10 6	21 16	13 8	16 10	19 11	19 9	21 15	195 122	34·92
Aberdeen ..1	Balmoral Castle Gardens.....	19 14	14 12	17 10	18 13	13 10	12 8	19 15	12 8	14 12	19 12	18 10	20 14	195 138	28·33
Aberdeen ..2	Aberdeen Observatory	20 16	14 10	17 9	14 6	12 7	8 7	23 16	10 8	15 11	15 11	13 9	17 12	178 122	23·90
Aberdeen ..4	Peterhead (Forehill Works) ..	24 19	15 11	17 8	14 9	12 8	7 4	22 17	10 6	14 10	16 13	17 13	15 10	183 128	25·49
Morayshire .2	Fochabers (Gordon Castle) ..	22 15	15 12	10 7	14 10	9 6	11 9	21 16	10 8	19 12	18 15	16 11	18 10	183 131	23·38
Inverness ..3	Cluny Castle	26 14	15 11	16 11	15 12	13 10	13 9	23 19	17 13	14 12	20 17	18 15	26 22	216 165	38·06

Table V.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1936.—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
SCOTLAND —(*con.*).															in.
Inverness ..16	**Fort William (The Factory)** ..	25 20	19 15	20 13	16 10	13 12	13 11	24 19	24 19	15 13	22 20	19 17	28 27	238 196	63·38
Inverness ..18	**Skye (Portree)**	24 22	18 16	19 17	19 12	14 14	13 7	20 15	24 18	17 11	22 21	19 15	29 28	238 196	53·39
R'&Cromarty3	**Fortrose**	17 11	17 13	12 6	16 8	11 8	10 6	20 16	14 10	11 10	16 13	14 13	22 18	180 132	25·73
R'&Cromarty7	Ullapool.....	25 18	17 15	13 10	20 17	13 10	11 7	24 15	21 14	13 10	22 22	22 15	27 27	228 180	38·16
R'&Cr'm'rty10	Stornoway (Matheson Road)..	27 21	20 13	21 13	22 21	15 12	14 9	19 13	22 17	18 11	21 20	24 20	29 26	252 196	41·77
Sutherland .1	**Lairg**	17 13	14 12	9 7	20 12	11 8	10 9	26 20	17 9	18 14	21 19	18 16	23 19	204 158	39·83
Sutherland .5	**Loch More (Achfary)**	25 21	20 16	16 16	26 20	13 8	10 10	22 21	24 19	16 10	23 23	24 20	29 27	248 211	69·67
Caithness ..3	**Thurso (Buckies)**	22 22	16 14	13 11	16 15	15 13	12 10	26 22	18 14	19 10	23 18	22 14	26 17	228 180	37·82
Scotland	**(Mean of 28 Stations)**.....	**22 18**	**16 13**	**17 12**	**14 9**	**12 9**	**12 9**	**21 17**	**17 12**	**16 12**	**19 16**	**19 15**	**24 20**	**209 162**	**41·17**
IRELAND.															
Co. Cork....6	**Dunmanway (The Rectory)**..	25 20	25 14	21 15	15 14	10 8	14 11	25 19	12 7	18 13	15 12	19 16	23 19	222 168	52·34
Co. Cork ...7	Cork (University College).....	23 20	20 13	18 13	13 9	5 4	16 9	26 15	6 5	14 9	16 8	18 14	21 15	196 134	40·29
Co. Cork....9	**Mallow (Longueville)**	28 22	22 19	19 15	18 10	14 7	19 12	27 21	11 4	18 13	18 12	19 15	25 17	238 167	41·77
Co. Kerry...3	**Valentia Observatory**	27 23	25 20	19 16	17 11	12 9	20 15	31 20	17 10	21 15	17 14	21 20	27 22	254 195	49·31
Co.Waterford 3	Waterford (Gortmore)	22 18	20 12	18 13	13 6	10 4	14 8	26 19	12 5	14 10	10 7	18 13	21 15	198 130	39·73
Co.Tipperary1	**Nenagh (Castle Lough)**.....	24 19	23 15	18 12	18 13	9 8	18 12	27 22	14 7	19 15	15 12	21 17	27 23	233 175	43·08
Co.Tipperary8	**Cashel (Ballinamona)**	23 19	20 13	19 15	13 10	9 3	19 11	24 21	10 5	15 15	15 9	20 15	26 18	213 154	39·94
Co. Limerick 2	**Foynes (Coolnanes)**.....	22 19	20 16	18 9	11 7	8 7	19 15	27 23	16 4	17 14	18 13	21 18	25 22	222 167	40·73
Co. Wexford 4	**Gorey (Courtown House)**	23 17	19 14	22 14	16 10	9 6	18 8	27 22	12 7	17 9	16 10	20 14	19 13	218 144	39·96
Co. Leix....2	**Abbey Leix (Blandsfort)**.....	23 18	20 12	18 14	14 11	10 6	20 16	26 24	13 9	17 16	15 12	22 13	25 15	223 166	41·36
Co. Dublin..2	**Dublin City (FitzWilliam Sq)**.	18 14	15 12	19 10	17 10	11 6	15 10	26 19	13 10	15 11	14 9	15 12	19 12	197 135	28·02
Co. Meath ..4	**Kells (Headfort)**	19 17	16 11	14 10	12 8	9 8	14 12	26 21	11 7	13 12	11 10	15 13	20 13	180 142	37·55
Co. W'meath1	**Mullingar (Belvedere Ho.)**....	19 18	18 15	18 11	14 10	13 6	20 13	29 25	16 9	19 15	20 14	20 13	24 17	230 166	40·52
Co. Longford2	Newtownforbes (Cas. Forbes G.)	22 21	13 11	13 12	9 8	7 7	17 17	27 25	11 9	18 15	16 13	19 17	18 18	190 173	37·24
Co. Mayo ..4	Mallaranny	24 24	22 18	20 15	14 12	9 8	18 17	29 25	20 17	20 19	16 16	26 22	30 26	248 219	62·16

Table V.—*Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in* 1936.—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
Ireland —(*con*).															in.
Co. Mayo ..5	Delphi Lodge.....	25 23	23 22	20 19	13 12	14 11	16 16	28 26	23 19	20 19	21 18	24 22	31 30	258 237	94·56
Co. Sligo ...2	**Collooney (Markree Cas.)**	26 22	17 13	17 14	12 8	13 11	21 18	30 26	19 14	19 16	21 16	23 18	27 25	245 201	44·47
Co. Ferm'gh 1	Newtownbutler (Crom Cas.)..	25 18	21 8	18 13	14 8	13 10	21 14	29 25	18 8	19 13	18 12	22 17	25 19	243 165	37·82
Co. Armagh.5	Armagh Observatory	21 13	17 12	17 13	12 7	12 8	17 15	26 20	14 6	16 13	15 12	21 13	19 14	207 146	35·01
Co. Down...2	Seaforde	18 13	20 17	17 14	15 9	8 7	12 10	26 24	13 11	19 14	20 15	23 17	18 17	209 168	41·62
Co. Antrim .5	**Ballymena (Harryville)**	25 22	20 16	19 16	12 10	16 13	15 15	23 22	20 17	16 16	19 18	22 21	24 22	231 208	44·31
Co. Tyrone..3	**Omagh (Edenfel)**.....	27 22	18 13	21 17	14 8	15 12	21 16	27 23	18 14	17 16	20 16	23 18	30 22	251 197	46·16
Co. Donegal 2	Buncrana Rectory	30 23	19 13	21 17	12 8	15 11	17 10	24 24	18 16	17 14	21 18	19 18	26 22	239 194	40·67
Ireland	**(Mean of 23 Stations)**.....	**23 19**	**20 14**	**18 14**	**14 10**	**11 8**	**17 13**	**27 22**	**15 10**	**17 14**	**17 13**	**20 16**	**24 19**	**223 172**	**44·29**
British Isles..	**(Mean of 100 Stations)**.....	**22 19**	**17 13**	**17 12**	**13 9**	**10 7**	**15 12**	**24 19**	**13 9**	**16 13**	**17 13**	**19 15**	**21 17**	**204 158**	**40·05**

3. ABSOLUTE DROUGHTS, PARTIAL DROUGHTS AND DRY SPELLS IN 1936.

As in the analogous case of rain-days and wet-days (Section 4), certain definitions have to be adopted in order to obtain a reliable body of statistical information on the subject of droughts. The definitions used are :—

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited ·01 inch of rain or more ;

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 inch ;

A **dry spell** is a period of at least 15 consecutive days to none of which is credited ·04 inch of rain or more.

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be :—An *absolute drought* is a period of at least 15 days, none of which is a rain-day ; a *dry spell* is a period of at least 15 days, none of which is a wet day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, page 21 while that of dry spell was first used in *British Rainfall*, 1919, page 15.

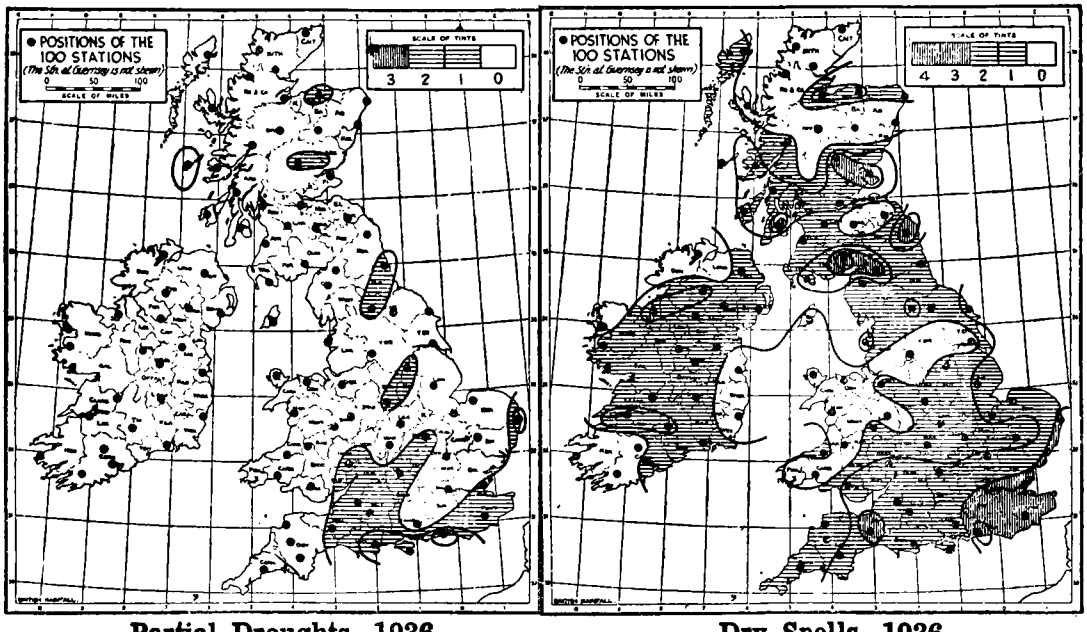
Details are given in Table VIII of the absolute droughts, partial droughts and dry spells, which occurred at the 100 selected stations of Table V. Stations from which no droughts were reported are omitted from this table.

During 1936 the number of stations out of the 100 which failed to record either a drought or a dry spell was twenty-six. This was two more than in 1935, and more than recorded in other recent years. 1934, 1933, 1932 and 1929 were all noteworthy for the large areas over which either a drought or dry spell occurred. Of the twenty-six stations without either a drought or dry spell during the year ten were in England, Wales and the Isle of Man, nine in Scotland and seven in Ireland.

In Tables VI and VII the numbers of droughts and dry spells recorded in 1936 are compared with those of each year from 1917 to 1935. In the case of absolute droughts and dry spells similar

information is available as far back as the famous dry year 1887 and averages are therefore available for the 49 years 1887 to 1935. Statistics, comparable with those given in Table VI, are given for the years 1887 to 1916 in *British Rainfall*, 1929, page 20.

The total number of absolute droughts recorded in 1936 was 42 or 18 less than the average 1887 to 1936. The number of partial droughts was 24 or 30 less than the average. The number of dry spells was 128 or 9 less than the average. There were fewer droughts or dry spells in 1936 than in any of the preceding four years. Of the 100 stations, 65 had no absolute drought, 81 no partial drought, and 26 no dry spell during 1936 ; in the case of both absolute droughts and partial droughts values were appreciably in excess of the normal.



Partial Droughts, 1936. **Dry Spells, 1936.**

Some details as to the total number of partial droughts and dry spells recorded during the year are given in the diagram. The diagram shows that three partial droughts were recorded during 1936 only at stations along part of the coast of Sussex, while there was no partial drought at all over Ireland, most of Scotland, Wales and the north and Midlands of England. Dry spells were more frequent, a few stations recording three in the south of England, the neighbourhood of the Solway Firth, near Berwick-on-Tweed and at Leuchars in Fifeshire.

The longest absolute drought lasted 25 days from the end of April to the end of May at both Selborne and Oxford. The longest partial drought persisted from April 22nd to May 29th, a period of 38 days, at Tenterden, in Kent. The longest dry spell lasted for 27 days from August 7th to September 2nd at Angersleigh, near Taunton.

Absolute droughts occurred at only five out of the 100 stations during the first three months of the year. At both West Witton, in Wensleydale, and Stobo Castle, in Peeblesshire, there was an absolute drought from February 2nd to 16th and at Shoeburyness, Lowestoft and March commencing with March 10th. Eleven stations in England and Scotland reported an absolute drought at some time during April or May. Four stations, *viz.*, Shoeburyness, Lowestoft, Ilderton and Leuchars reported an absolute drought during the latter half of August. Rather more than half the absolute droughts recorded during the year occurred within the period September 25th to October 12th. This was the only absolute drought recorded in Ireland.

Of the 24 partial droughts recorded during the year 18 occurred during the summer six months; of the remaining 6 two occurred in March and four at some time during the latter half of September and first three weeks of October. There were no partial droughts in Ireland and only three in Scotland. At Worthing the three partial droughts from April 26th to May 29th, August 2nd to September 3rd and September 21st to October 22nd gave in all 99 days with only ·76 inch.

Of the 128 dry spells 45 occurred during part of April and 56 at some time during the period September 25th to October 22nd. All the 20 dry spells recorded in Ireland were confined to these two periods. Over England, Wales and Scotland 6 stations recorded dry spells during the first fortnight in February, 8 during part of March and 10 during part of August. In addition there were dry spells as late in the year as November 17th to December 3rd at Ross-on-Wye and from December 15th to 29th at Scarborough.

Table VI.—*Droughts at* 100 *Stations*, 1917–1936.

Year.	ABSOLUTE DROUGHTS.* No. of Droughts at 100 Stations.	Mean Duration.	Longest.	Stations without one.	PARTIAL DROUGHTS.† No. of Droughts at 100 Stations.	Mean Duration.	Longest.	Stations without one.
		Days.	Days.			Days.	Days.	
1917	109	19	28	23	64	33	61	46
1918	20	16	18	83	14	34	47	87
1919	33	18	31	68	44	38	50	63
1920	18	17	22	84	22	37	54	79
1921	86	19	38	47	109	42	89	30
1922	63	17	23	46	44	36	51	66
1923	11	17	24	89	20	38	54	80
1924	50	16	22	55	25	36	57	81
1925	74	23	33	37	76	38	60	29
1926	20	17	24	83	43	36	57	64
1927	11	17	19	90	19	32	43	83
1928	50	17	22	57	41	33	43	70
1929	110	20	37	14	99	47	85	35
1930	16	17	20	86	29	31	42	72
1931	16	18	21	85	28	34	46	82
1932	87	19	32	36	156	40	71	7
1933	56	18	25	52	92	37	69	52
1934	82	18	30	38	101	37	54	33
1935	70	19	32	49	44	42	66	64
1936	42	17	25	65	24	33	38	81
Average 1887–1936	60	18	26	54	54	37	56	59

* 15 days without a "rain day." † 29 days averaging not more than ·01 in.

Table VII.—*Dry Spells* at* 100 *Stations*, 1917–1936.

Year.	Number at 100 Stations.	Mean Duration.	Longest Spell.	Number of Stations with None.	1 or 2.	3 or 4.	5 or more.
		Days.	Days.				
1917	193	20	31	5	70	25	0
1918	118	17	26	36	47	17	0
1919	98	19	38	35	62	3	0
1920	56	18	31	55	44	1	0
1921	201	21	58	21	43	29	7
1922	162	18	30	13	65	22	0
1923	65	18	29	54	43	3	0
1924	120	17	29	32	56	12	0
1925	164	22	43	14	65	21	0
1926	98	19	40	30	65	5	0
1927	91	17	31	43	49	8	0
1928	115	19	31	25	68	7	0
1929	215	22	53	1	65	31	3
1930	76	18	22	45	51	4	0
1931	84	19	26	53	35	12	0
1932	229	23	51	5	53	38	4
1933	191	19	40	14	54	31	1
1934	193	20	44	10	60	29	1
1935	142	19	33	26	52	22	0
1936	128	17	27	26	62	12	0
Average 1917–1936	137	19	36	27	55	17	1

*15 days without a "wet day."

Table VIII.—*Droughts and Dry Spells in* 1936.

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
ENGLAND AND WALES				days			days	in.			days	in.
London 2	St. Pancras (Camden Square) .	..	..	..	..	..	..	..	Mar. 5	Mar. 24	20	·16
		..	..	..	..	..	..	..	April 26	May 16	21	·05
		..	..	..	..	..	..	..	Sept. 28	Oct. 13	16	·03
Kent 1	Tenterden (Ashenden)	..	..	..	April 22	May 29	38	·35	April 26	May 13	18	·03
		..	..	..	..	..	..	..	May 15	May 29	15	·02
		..	..	..	..	..	..	..	Aug. 20	Sept. 3	15	·03
Sussex 3	Worthing (Beach House Park)	..	..	..	..	..	..	..	April 4	April 18	15	·04
		April 27	May 20	24	April 26	May 29	34	·20	April 26	May 21	26	·02
		..	..	..	Aug. 2	Sept. 3	33	·29	Aug. 20	Sept. 3	15	·01
		..	..	..	Sept. 21	Oct. 22	32	·27	Sept. 29	Oct. 16	18	·05
Hampshire ..1	Ventnor (Royal National Hos.)	..	..	..	April 26	May 31	36	·22	May 6	May 21	16	·01
		..	..	..	Aug. 1	Sept. 3	34	·28	..	..	..	..
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 28	Oct. 16	19	·04
,, ..7	Selborne (The Wakes)	April 26	May 20	25	..	..	..	..	April 26	May 21	26	·02
		..	..	..	..	..	..	..	Sept. 28	Oct. 22	25	·11
Hertfordshire3	Royston (Therfield Rectory) ..	..	..	..	..	..	..	..	Mar. 9	Mar. 24	16	·06
		..	..	..	..	..	..	..	Sept. 28	Oct. 12	15	·08
Oxford 3	Oxford (Radcliffe Met. Stn.) .	April 27	May 21	25	April 27	May 29	33	·32	April 27	May 21	25	·00
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 26	Oct. 12	17	·02
Northants ..4	Wellingborough (Swanspool) .	..	..	..	Aug. 5	Sept. 2	29	·29	..	..	..	..
		..	..	..	..	..	..	..	Sept. 28	Oct. 12	15	·05
Cambridge ..2	March	Mar. 10	Mar. 24	15	..	..	..	..	Mar. 10	Mar. 24	15	·00
		Aug. 20	Sept. 3	15	..	..	..	..	Aug. 20	Sept. 3	15	·00
Essex 3	Shoeburyness	Mar. 10	Mar. 24	15	..	..	..	..	Mar. 10	Mar. 24	15	·00
		..	..	..	April 26	May 29	34	·29	April 26	May 11	16	·05
		Aug. 20	Sept. 3	15	..	..	..	..	Aug. 11	Sept 3	24	·06
Suffolk 4	Lowestoft (Secondary School).	Mar. 10	Mar. 25	16	Mar. 2	Mar. 31	30	·24	Mar. 10	Mar. 25	16	·00
		..	..	..	April 24	May 29	36	·33	April 26	May 20	25	·04
		Aug. 20	Sept. 3	15	..	..	..	..	Aug. 20	Sept. 3	15	·00
Norfolk 3	Sandringham House Gardens .	..	..	..	..	..	..	..	Mar. 10	Mar. 28	19	·07
		..	..	..	..	..	..	..	Aug. 20	Sept. 3	15	·01
Wiltshire....3	Larkhill (School of Artillery) .	..	..	..	..	..	..	..	April 4	April 18	15	·02
		..	..	..	Aug. 1	Sept. 2	33	·27	..	..	..	..
		..	..	..	..	..	..	..	Sept. 28	Oct. 12	15	·01

Table VIII.—*Droughts and Dry Spells in* 1936—(*con.*).

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Dorsetshire .3	Poole	..	..	..	..	..	..	..	April 4	April 18	15	·03
		..	..	..	Aug. 1	Sept. 2	33	·26	..	..	..	..
		Sept. 28	Oct. 12	15	Sept. 21	Oct. 21	31	·31	Sept. 28	Oct. 12	15	·00
S. Devon....4	Holne (Church Park Cottage)	..	..	..	..	..	..	..	April 26	May 14	19	·03
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 25	Oct. 12	18	·07
N. Devon ...2	Barnstaple (N. Dev. Athen'm)	..	..	..	..	..	..	..	Sept. 26	Oct. 11	16	·07
,, ...3	Okehampton (Uplands)	..	..	..		..	..	..	Sept. 28	Oct. 12	15	·02
Cornwall ...2	St. Austell (Trevarna)	Sept. 28	Oct. 12	15	..	..	..	..	Sept. 28	Oct. 12	15	·00
Somerset ...1	Bath (Henrietta Park)	..	..	..	..	..	..	..	April 26	May 15	20	·03
		..	..	..	Aug. 1	Sept. 2	33	·30	..	..	..	..
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 28	Oct. 12	15	·00
,, ...3	Angersleigh (Leigh Court) ...	April 27	May 14	18	..	..	..	..	April 26	May 14	19	·03
		..	..	..	July 29	Sept. 2	36	·28	Aug. 7	Sept. 2	27	·05
		Sept. 27	Oct. 12	16	..	..	..	..	Sept. 26	Oct. 12	17	·02
Hereford ...1	Ross-on-Wye	..	..	..	Aug. 1	Sept. 2	33	·17	..	..	..	..
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 26	Oct. 12	17	·03
		..	..	..	..	..	..	..	Nov. 17	Dec. 3	17	·13
Shropshire ..3	Bishops Castle (The Vicarage)	..	..	..	..	..	..	..	Sept. 28	Oct. 16	19	·02
Warwickshire1	Warwick Castle Gardens	..	..	..	..	..	..	..	Sept. 26	Oct. 12	17	·01
Leicester ...4	Leicester (Town Hall Square)	..	..	..	..	..	..	..	May 7	May 21	15	·01
Lincoln 3	Horncastle	..	..	..	..	..	..	..	Feb. 2	Feb. 16	15	·12
		..	..	..	..	..	..	..	April 25	May 12	18	·04
Nottingham 5	Worksop (Hodsock)	..	..	..	April 20	May 21	32	·31	April 28	May 16	19	·02
Derbyshire .6	Derby (L.M. & S. Railway) ..	..	..	..	April 27	May 29	33	·32	April 26	May 14	19	·07
Cheshire ..2	Northwich (Hunts Lock)	..	..	..	..	..	..	..	Sept. 27	Oct. 12	16	·03
North Lancs.5	Blackpool (Met. Obsy.)	..	..	..	..	..	..	..	April 29	May 14	16	·04
		Sept. 27	Oct. 12	16	..	..	..	..	Sept. 27	Oct. 12	16	·00
Yorks N. R. 1	West Witton (Ivy House) ...	Feb. 2	Feb. 16	15	..	..	..	..	Feb. 2	Feb. 16	15	·00
		..	..	..	April 16	May 21	36	·35	April 16	May 5	20	·09
Yorks N. R. 2	Felixkirk (Mount St. John) ..	..	..	..	..	..	..	..	April 24	May 11	18	·04
Yorks N. R. 5	Scarborough	..	..	..	..	..	..	..	Mar. 10	Mar. 25	16	·06
		..	..	..	..	..	..	..	Dec. 15	Dec. 29	15	·09
Northumber-3	Newcastle (Leazes Park)	April 19	May 4	16	April 19	May 22	34	·29	April 19	May 11	23	·06
land 6	Ilderton (Lilburn Tower Gdns.)	..	..	..	..	..	..	..	Feb. 2	Feb. 16	15	·02
		..	..	..	..	..	..	..	Mar. 10	Mar. 24	15	·08
		Aug. 16	Aug. 31	16	..	..	..	..	Aug. 16	Aug. 31	16	·00

Table VIII.—*Droughts and Dry Spells in* 1936—(*con.*).

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Cumberland .1	Geltsdale	..	..	..	..	..	..	..	Feb. 2	Feb. 16	15	·03
		..	..	..	..	..	..	..	April 26	May 16	21	·11
		..	..	..	..	..	..	..	Sept. 27	Oct. 12	16	·08
Cumberland .2	Keswick (High Hill)	Sept. 27	Oct. 12	16	..	..	..	..	Sept. 27	Oct. 12	16	·00
Glamorgan ..6	Treherbert (Tyn-y-waun)	..	..	..	..	..	..	..	April 27	May 11	15	·01
		Sept. 28	Oct. 12	15	..	..	..	..	Sept. 28	Oct. 12	15	·00
Cardigan ...3	Lampeter (Falcondale)	..	..	..	..	..	..	..	Sept. 28	Oct. 12	15	·01
CHANNEL ISLANDS												
Guernsey ...	St. Peter Port (Grange Road)	April 27	May 15	19	..	..	..	..	April 26	May 15	20	·01
SCOTLAND												
Wigtown ...3	Port William (Monreith)	April 1	April 22	22	..	..	..	..	April 1	April 22	22	·00
		Sept. 27	Oct. 12	16	..	..	..	..	Sept. 27	Oct. 12	16	·00
Dumfries....3	Dumfries (Crichton R. Inst.)	..	..	..	..	..	..	..	Feb. 2	Feb. 16	15	·01
		..	..	..	..	..	..	..	April 1	April 17	17	·05
		..	..	..	..	..	..	..	April 27	May 11	15	·02
		..	..	..	..	..	..	..	Sept. 25	Oct. 12	18	·07
Peebles 2	Stobo Castle	Feb. 2	Feb. 16	15	..	..	..	..	Feb. 2	Feb. 16	15	·00
Lanarkshire .5	Strathhaven (Dungavel)	..	..	..	..	..	..	..	Sept. 25	Oct. 11	17	·03
Ayrshire 6	Maybole (Culzean Castle Gdns.)	Sept. 25	Oct. 11	17	..	..	..	..	Sept. 25	Oct. 11	17	·00
Renfrew 3	Greenock (Prospect Hill)	April 1	April 16	16	..	..	..	..	April 1	April 22	22	·03
		..	..	..	..	..	..	..	Sept. 25	Oct. 11	17	·04
Stirling 1	Falkirk (Westbank) *Garden*	..	..	..	..	..	..	..	April 27	May 15	19	·11
		..	..	..	..	..	..	..	Sept. 27	Oct. 12	16	·06
Bute 3	Dougarie Lodge	..	..	..	..	..	..	..	Mar. 31	April 14	15	·05
		..	..	..	..	..	..	..	May 25	June 8	15	·06
		..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·02
Argyllshire .8	Lochgilphead (Poltalloch)	April 1	April 15	15	..	..	..	..	April 1	April 17	17	·03
		Sept. 25	Oct. 11	17	..	..	..	..	Sept. 25	Oct. 11	17	·00
,, .14	Islay (Eallabus)	..	..	..	..	..	..	..	Mar. 31	April 16	17	·03
		..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·03
,, .14	Mull (Gruline)	..	..	..	..	..	..	..	Mar. 31	April 14	15	·05
		..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·07
,, .14	Tiree	..	..	..	Sept. 14	Oct. 12	29	·25	Sept. 27	Oct. 11	15	·02

Table VIII.—*Droughts and Dry Spells in* 1936—(*con.*).

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted.	Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days			days	in.			days	in.
Fifeshire 3	Leuchars (Aerodrome)	..	..	..	..	..	..	..	April 25	May 14	20	·14
		Aug. 16	Aug. 31	16	..	..	..	..	Aug. 15	Aug. 31	17	·01
		..	..	..	..	..	..	..	Sept. 27	Oct. 12	16	·09
Perthshire..11	Aberfeldy (Dall Avon)	..	..	..	..	..	..	..	Mar. 31	April 22	23	·09
		..	..	..	..	..	..	..	April 26	May 14	19	·11
		Sept. 27	Oct. 11	15	Sept. 15	Oct. 14	30	·30	Sept. 25	Oct. 12	18	·04
Aberdeen ...4	Peterhead (Forehill Works) ..	..	..	..	..	..	..	..	Aug. 15	Aug. 31	17	·09
Morayshire .2	Fochabers (Gordon Castle) ...	..	..	..	Mar. 10	April 9	30	·30	Mar. 16	Mar. 31	16	·03
		April 25	May 11	17	..	..	..	..	April 25	May 11	17	·00
,, ..16	Fort William (The Factory) ..	..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·04
Ross and Cromarty 3	Fortrose	April 27	May 11	15	..	..	..	..	April 27	May 11	15	·00
		..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·03
,, ..10	Stornoway (Matheson Road)..	..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·06
IRELAND												
Co. Cork ...7	Cork (University College)	..	..	..	..	..	..	..	Oct. 5	Oct. 21	17	·11
Co. Waterford3	Waterford (Gortmore)	Sept. 26	Oct. 11	16	..	..	..	..	Sept. 26	Oct. 16	21	·02
Co. Tipperary1	Nenagh (Castle Lough)	..	..	..	..	..	..	..	Sept. 25	Oct. 11	17	·02
,, 3	Cashel (Ballinamona)	..	..	..	..	..	..	..	May 15	May 31	17	·10
		..	..	..	..	..	..	..	Sept. 26	Oct. 12	17	·02
Co. Limerick 2	Foynes (Coolnanes)	..	..	..	..	..	..	..	April 2	April 18	17	·06
		..	..	..	..	..	..	..	Sept. 26	Oct. 11	16	·02
Co. Leix 2	Abbey Leix (Blandsfort)	Sept. 26	Oct. 11	16	..	..	..	..	Sept. 26	Oct. 11	16	·00
Co. Meath ..4	Kells (Headfort)	Sept. 26	Oct. 12	17	..	..	..	..	Sept. 26	Oct. 12	17	·00
Co. W' Meath1	Mullingar (Belvedere Ho.) ...	..	..	..	..	..	..	..	Sept. 26	Oct. 11	16	·04
Co. Longford 2	Newtownf'bes(Cas. Forbes Gdns)	Sept. 26	Oct. 11	16	..	..	..	..	Sept. 26	Oct. 12	17	·02
Co. Mayo ..5	Delphi Lodge	..	..	..	..	..	..	..	Sept. 26	Oct. 11	16	·05
Co. Sligo ...2	Collooney (Markree Castle) ...	..	..	..	..	..	..	..	Mar. 31	April 14	15	·06
		..	..	..	..	..	..	..	Sept. 26	Oct. 11	16	·07
Co. Fermanagh1	Newtownbutler (Crom Castle).	..	..	..	..	..	..	..	Sept. 26	Oct. 12	17	·03
Co. Armagh .5	Armagh Observatory	Sept. 27	Oct. 11	15	..	..	..	..	Sept. 26	Oct. 11	16	·01
Co. Down ..2	Seaforde	Sept. 26	Oct. 11	16	..	..	..	..	Sept. 26	Oct. 12	17	·01
Co. Antrim .5	Ballymena (Harryville)	..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·02
Co. Tyrone .3	Omagh (Edenfel)	..	..	..	..	..	..	..	Mar. 31	April 15	16	·10
		..	..	..	..	..	..	..	Sept. 27	Oct. 11	15	·03

4. RAIN SPELLS AND WET SPELLS IN 1936.

The definitions of the terms " rain spell " and " wet spell," as used in this section, are analogous to those of the terms " absolute drought " and " dry spell," which are used in the previous section. Thus :—

A Rain Spell is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A Wet Spell is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain days, and a *wet spell* contains at least 15 consecutive wet days.

Table XI contains particulars of all rain spells* and wet spells* during 1936 which were reported from the 100 selected stations of Table V. Stations from which no rain or wet spells were reported are omitted from this table. The number of stations so omitted is 38, 24 in England and Wales, 9 in Scotland and 5 in Ireland. Tables IX and X give comparative statistics concerning the rain spells and wet spells since 1917. Similar details of rain spells are available back to 1903, and are given in *British Rainfall*, 1929, p. 30, and averages are therefore available for the 34 years, 1903 to 1936.

In 1936, the total number of rain spells at the 100 stations was 140 or 28 less than the average. The total number in 1936 was smaller than in either 1934 or 1935. The mean duration of the rain spells was 21 days, exactly the average. The mean rain per day during the rain spells was ·26 inch, almost the average. The longest rain spell continued for 39 days from October 10th to November 17th at Loch More (Achfary) in Sutherlandshire, when the total rainfall was 15·71 inches. Rain spells occurred during 1936 at 62 stations, eight less than the average.

Four stations recorded as many as five rain spells during the year, *viz.*, Tyrmynydd, in central Wales, Loch More (Achfary), Mallarany and Delphi Lodge, both in Co. Mayo.

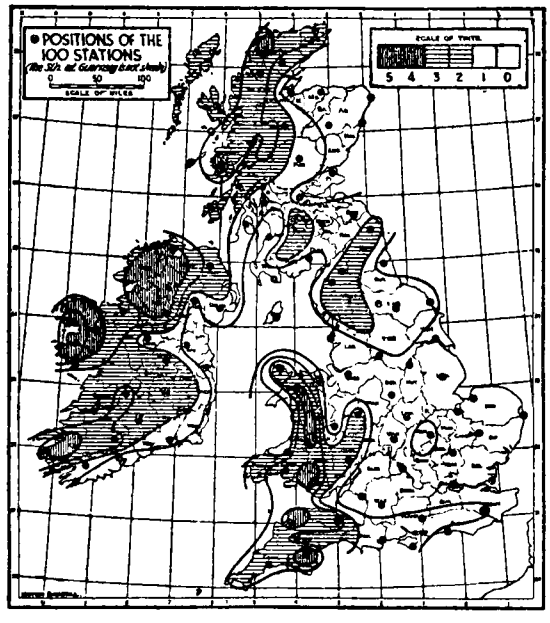
The total number of wet spells at the 100 stations was 31, or 18 less than the average, compared with 33 in 1935. The mean duration of the wet spells was 20 days and the mean rain per wet day ·35 inch, both values approximating closely to the average. Wet spells occurred at 19 stations or 10 less than the average. One station

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall*, 1926.

recorded three wet spells, *viz.*, Markree Castle in Co. Sligo. The longest wet spell lasted for 30 days, from October 12th to November 10th at Poltalloch in Argyllshire and from October 10th to November 8th at Loch More (Achfary).

No wet spells were recorded during the year for the stations in England. They were confined mainly to stations in the north-west of Scotland and Ireland. Of the 31 wet spells 26 occurred after October 10th.

A rain spell occurred at one or more of the selected stations at most times during the year apart from May and June and September 19th to October 9th. Of the 140 rain spells recorded during the year 35 included part of January, 23 part of July, and 66 some period after October 10th. Some details as to the total number of rain spells recorded during the year are given in the diagram.



Rain Spells, 1936.

Table IX.—*Rain Spells* at 100 Stations*, 1917—1936.

Year.	No. of Rain Spells.	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest					
		Days.	Mean rain per day.	Days.	Mean rain per day.	None.	1 or 2.	3 or 4.	5 or more
1917....	152	22	·28	52	·19	30	48	17	5
1918....	186	23	·30	56	·21	21	51	19	9
1919....	143	20	·26	46	·31	29	53	14	4
1920....	165	20	·25	45	·24	32	45	12	11
1921....	184	22	·29	45	·25	31	36	25	8
1922....	170	21	·26	49	·35	30	42	23	5
1923....	222	23	·26	89	·31	17	47	21	15
1924....	168	19	·25	54	·23	33	41	18	8
1925....	176	19	·29	60	·34	27	43	23	7
1926....	194	20	·28	45	·14	21	37	38	4
1927....	206	19	·26	42	·19	21	43	26	10
1928....	202	24	·27	52	·27	28	43	21	8
1929....	157	21	·32	57	·27	19	58	15	8
1930....	174	23	·30	72	·42	32	36	29	3
1931....	121	20	·25	56	·25	49	33	12	6
1932....	150	20	·29	36	·29	37	37	20	6
1933....	57	18	·25	31	·25	65	31	2	2
1934....	206	21	·27	58	·21	22	45	20	13
1935....	155	21	·26	57	·45	30	41	28	1
1936....	140	21	·26	39	·40	38	40	18	4
Average 1903–36	168	21	·27	52	·28	30	42	20	7

* At least ·01 inch each day, 15 days or more.

Table X.—*Wet Spells † at 100 Stations*, 1917—1936.

Year.	Number of Wet Spells.	Mean Duration.		Longest Spell.		STATIONS WITH			
		Days.	Mean rain per day.	Days.	Mean rain per day.	None.	1 or 2.	3 or 4.	5 or more
			in.		in.				
1917....	55	19	·35	31	·46	67	28	3	2
1918....	49	21	·40	36	·44	70	26	4	0
1919....	49	17	·29	33	·34	66	29	5	0
1920....	47	18	·37	31	·61	75	17	8	0
1921....	59	20	·41	29	·32	69	22	9	0
1922....	65	20	·36	42	·28	64	29	7	0
1923....	62	20	·36	42	·39	73	17	8	2
1924....	30	18	·34	24	·37	79	19	2	0
1925....	55	17	·42	31	·18	67	27	6	0
1926....	60	19	·37	30	·48	62	32	6	0
1927....	39	18	·35	24	·29	74	22	4	0
1928....	87	20	·40	39	·29	62	21	17	0
1929....	59	19	·41	33	·40	59	36	4	1
1930....	71	21	·40	35	·51	61	30	9	0
1931....	20	19	·31	32	·44	87	10	3	0
1932....	44	19	·41	30	·50	77	16	7	0
1933....	9	16	·34	20	·49	94	5	1	0
1934....	66	19	·37	31	·47	64	29	5	2
1935....	33	18	·38	29	·41	76	22	2	0
1936....	31	20	·35	30	·44	81	18	1	0
Average 1917–36	49	19	·37	32	·41	71	23	6	0

† At least ·04 inch each day, 15 days or more.

Table XI.—*Rain Spells and Wet Spells in* 1936.

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
ENGLAND AND WALES				days	in.			days	in.		in.
Kent.....1	Tenterden (Ashenden)	Jan. 16	Feb. 2	18	2·73	..	..	..	..	Jan. 28	·50
Hampshire .1	Ventnor (Royal National Hosp.)	Oct. 29	Nov. 17	20	5·45	..	..	..	..	Nov. 11	1·40
,, .7	Selborne (The Wakes)	July 7	Aug. 2	27	4·12	..	..	..	..	July 14 July 23	·61
Northants ..4	Wellingborough (Swanspool) ..	July 20	Aug. 7	19	1·50	..	..	..	..	July 22	·20
Dorset 3	Poole	Jan. 18	Feb. 2	16	3·06	..	..	..	..	Jan. 28	·91
S. Devon ..4	Holne (Church Park Cottage) ..	23xii.35	Jan. 14	23	11·27	..	..	..	..	30xii.35	1·48
		Mar. 18	April 4	18	6·74	..	..	..	..	Mar. 28	1·45
		July 5	July 19	15	6·38	..	..	..	..	July 18	1·33
		Nov. 1	Nov. 17	17	6·96	..	..	..	..	Nov. 11	1·51
N. Devon ..2	Barnstaple (N. Dev. Athen'm) .	23xii.35	Jan. 13	22	3·05	..	..	..	..	26xii.35	·36
		Jan. 16	Feb. 1	17	2·74	..	..	..	..	Jan. 19	·45
		Feb. 15	Mar. 9	24	3·09	..	..	..	..	Feb. 17	·47
		July 5	July 20	16	3·88	..	..	..	..	July 5	·68
,, ..3	Okehampton (Uplands)	23xii.35	Jan. 11	20	7·31	..	..	..	..	30xii.35	1·07
		June 29	July 20	22	9·94	..	..	..	..	July 2	1·14
Cornwall ...2	St. Austell (Trevarna)	23xii.35	Jan. 13	22	6·31	..	..	..	..	23xii.35	·79
		Feb. 9	Feb. 24	16	5·46	..	..	..	..	Feb. 10	1·74
		Nov. 1	Nov. 17	17	5·77	..	..	..	..	Nov. 11	1·02
Somerset ...3	Angersleigh (Leigh Court)	Jan. 16	Feb. 1	17	3·05	..	..	..	..	Jan. 28	·78
		Mar. 18	April 3	17	4·14	..	..	..	..	April 3	·94
		July 5	July 19	15	3·19	..	..	..	..	July 14	·64

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
ENGLAND AND WALES —(*con.*).				days	in.			days	in.		in.
Hereford ...1	Ross-on-Wye	23xii.35	Jan. 6	15	3·49	..	..	..	..	27xii.35	·77
		Jan. 19	Feb. 2	15	2·33	..	..	..	..	Jan. 19	·65
Shropshire .4	Shifnal (Hatton Grange)	June 29	July 18	20	5·50	..	..	..	..	July 9	1·90
		Oct. 23	Nov. 12	21	3·23	..	..	..	..	Nov. 11	·54
Yorks N.R. 1	West Witton (Ivy House)	Nov. 4	Nov. 18	15	3·51	..	..	..	..	Nov. 11	·91
,, N.R. 2	Felixkirk (Mount St. John) ...	24xii.35	Jan. 10	18	2·73	..	..	..	..	27xii.35	·55
,, N.R. 5	Scarborough	24xii.35	Jan. 10	18	2·82	..	..	..	..	27xii.35	·55
Northumberland 6	Ilderton (Lilburn Tower Gdns.)	24xii.35	Jan. 10	18	3·39	..	..	..	..	Jan. 9	·91
		Nov. 4	Nov. 18	15	3·42	..	..	..	..	Nov. 11	1·12
Cumberland.1	Geltsdale.....	24xii.35	Jan. 12	20	1·97	..	..	..	..	Jan. 9	·47
		Oct. 13	Oct. 27	15	3·16	..	..	..	..	Oct. 24	·85
,, .2	Keswick (High Hill)	Oct. 13	Oct. 27	15	7·08	..	..	..	..	Oct. 24	2·40
		Nov. 4	Nov. 18	15	5·81	..	..	..	..	Nov. 7	·80
Glamorgan..6	Treherbert (Tyn-y-waun).....	23xii.35	Jan. 10	19	9·89	..	..	..	..	Jan. 9	1·28
		Jan. 22	Feb. 5	15	4·53	..	..	..	..	Jan. 26	1·01
		June 29	Aug. 3	36	16·15	..	..	..	..	July 12	2·18
		Oct. 23	Nov. 8	17	8·96	..	..	..	..	Nov. 6	1·70
Carmarthen 2	Carmarthen (Model & Prac. Sch.)	Jan. 22	Feb. 5	15	3·11	..	..	..	..	Jan. 26	·71
		June 29	July 20	22	6·55	..	..	..	..	June 29	1·55
		Nov. 4	Nov. 18	15	5·42	..	..	..	..	Nov. 4	1·24
Cardigan ...3	Lampeter (Falcondale)	23xii.35	Jan. 10	19	6·81	..	..	..	..	Jan. 9	1·26

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
ENGLAND AND WALES —(*con.*).				days	in.			days	in.		in.
Radnor 1	Birmingham W.W.(Tyrmynydd)	23xii.35	Jan. 10	19	6·13	..	..	..	..	Jan. 9	1·50
		Jan. 19	Feb. 3	16	5·48	..	..	..	..	Jan. 26	1·06
		July 5	July 20	16	5·84	July 5	July 19	15	5·83	July 18	1·26
		July 22	Aug. 6	16	2·55	..	..	..	..	July 22	·53
		Nov. 1	Nov. 17	17	7·34	..	..	..	..	Nov. 8	1·25
Denbigh ...2	Denbigh (Garn.)	Sept. 1	Sept. 18	18	3·53	..	..	..	..	Sept. 14	1·36
Merioneth ..4	Dolgelley (Bontddu)	Jan. 22	Feb. 5	15	3·76	..	..	..	..	Jan. 26	·71
Anglesey ...	Llanerchymedd (Ll'diarth Es.)	Jan. 23	Feb. 6	15	2·44	..	..	..	..	Jan. 26	·50
		Feb. 16	Mar. 1	15	2·65	..	..	..	..	Feb. 20	·55
		Oct. 18	Nov. 17	31	6·30	Oct. 30	Nov. 17	19	5·23	Oct. 30	·90
SCOTLAND											
Peebles.....2	Stobo Castle	Nov. 1	Nov. 17	17	3·46	..	..	..	..	Nov. 16	·51
Berwick ...4	Marchmont House	Nov. 4	Nov. 18	15	3·93	..	..	..	..	Nov. 17	·85
Lanarkshire 5	Strathaven (Dungavel).....	Sept. 1	Sept. 18	18	3·01	..	..	..	..	Sept. 6	·65
		Oct. 12	Nov. 17	37	10·51	..	..	..	..	Oct. 24	1·63
		Dec. 10	Dec. 24	15	5·10	..	..	..	..	Dec. 13	1·44
Renfrew ...3	Greenock (Prospect Hill)	Dec. 10	Dec. 25	16	6·19	..	..	..	..	Dec. 13	1·80
Bute 3	Dougarie Lodge.....	Oct. 24	Nov. 11	19	5·97	..	..	..	..	Oct. 24	1·34
Argyllshire..8	Lochgilphead (Poltalloch)	Oct. 12	Nov. 10	30	10·74	Oct. 12	Nov. 10	30	10·74	Oct. 16	1·38
		Dec. 8	Dec. 26	19	6·87	Dec. 8	Dec. 26	19	6·87	Dec. 14	1·25

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
SCOTLAND —(*con.*).				days	in.			days	in.		in.
Argyllshire **14**	Islay (Eallabus)	Oct. 10	Nov. 11	33	8·03	Oct. 12	Nov. 3	23	6·02	Nov. 6	·94
		Nov. 27	Dec. 25	29	7·21	..	..	..	..	Dec. 21	·73
,, **.14**	Mull (Gruline)	Feb. 13	Feb. 27	15	3·33	..	..	..	..	Feb. 19	·59
		Aug. 8	Aug. 25	18	2·94	..	..	..	..	Aug. 23	·64
		Oct. 10	Nov. 11	33	13·31	Oct. 12	Oct. 29	18	9·94	Oct. 24	1·23
		Dec. 7	Dec. 25	19	9·52	Dec. 10	Dec. 25	16	8·80	Dec. 13	2·09
,, **.14**	Tiree	Oct. 11	Oct. 29	19	3·74	Oct. 12	Oct. 29	18	3·72	Oct. 26	·61
		Nov. 27	Dec. 22	26	4·75	..	..	..	..	Dec. 19	·61
Perthshire **11**	Aberfeldy (Dall Avon)	Oct. 22	Nov. 8	18	3·27	..	..	..	..	Oct. 24	·80
Aberdeen **..4**	Peterhead (Forehill Works) ...	29xii.35	Jan. 14	17	2·91	..	..	..	..	Jan. 5	·48
Inverness **..3**	Cluny Castle.....	Oct. 12	Oct. 29	18	5·59	..	..	..	..	Oct. 26	1·05
		Dec. 10	Dec. 25	16	4·21	..	..	..	..	Dec. 15	·86
,, **.16**	Fort William (The Factory) ...	Oct. 10	Nov. 8	30	12·29	Oct. 12	Nov. 8	28	12·25	Oct. 16	2·37
		Dec. 7	Dec. 25	19	11·80	Dec. 7	Dec. 25	19	11·80	Dec. 19	4·10
,, **.18**	Skye (Portree)	Oct. 10	Nov. 5	27	9·90	Oct. 11	Nov. 5	26	9·87	Oct. 16	1·30
		Nov. 28	Dec. 26	29	10·40	Nov. 28	Dec. 25	28	10·39	Dec. 19	1·38
Ross and Cromarty **7**	Ullapool	Jan. 9	Jan. 24	16	2·07	..	..	..	..	Jan. 22	·40
		Oct. 10	Nov. 16	38	8·73	Oct. 10	Nov. 4	26	7·00	Oct. 16	·81
		Dec. 10	Dec. 25	16	4·94	Dec. 10	Dec. 25	16	4·94	Dec. 19	1·00
,, **..10**	Stornoway (Matheson Road)...	Oct. 11	Nov. 15	36	8·79	Oct. 12	Nov. 8	28	7·83	Oct. 26	·77
		Nov. 23	Dec. 25	33	8·67	Dec. 7	Dec. 24	18	5·40	Dec. 10	1·08
Sutherland**..1**	Lairg	July 11	Aug. 4	25	5·16	..	..	..	..	July 12	·82
		Oct. 11	Nov. 8	29	6·97	Oct. 14	Oct. 28	15	5·08	Oct. 26	·92

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
SCOTLAND —(*con.*).				days	in.			days	in.		in.
Sutherland..5	Loch More (Achfary)	23xii.35	Jan. 18	27	4·92	..	..	..	..	Jan. 9	·72
		April 13	April 30	18	2·79	..	..	..	..	April 26	·48
		Aug. 10	Aug. 24	15	2·85	..	..	..	..	Aug. 24	1·34
		Oct. 10	Nov. 17	39	15·71	Oct. 10	Nov. 8	30	13·22	Oct. 21	1·30
		Nov. 25	Dec. 26	32	16·27	Dec. 11	Dec. 26	16	8·69	Dec. 19	2·07
Caithness ..3	Thurso (Buckies)	30xii.35	Jan. 14	16	4·18	30xii.35	Jan. 14	16	4·18	Jan. 5	·91
		Oct. 10	Nov. 16	38	6·74	..	..	..	..	Oct. 26	·72
		Nov. 25	Dec. 11	17	3·36	..	..	..	..	Dec. 5	·71
IRELAND											
Co. Cork ...6	Dunmanway (The Rectory) ...	June 29	July 14	16	2·75	..	..	..	..	July 14	·84
,, ...9	Mallow (Longueville)	Jan. 12	Jan. 27	16	2·80	..	..	..	..	Jan. 26	·78
		July 22	Aug. 5	15	1·92	..	..	..	..	July 28	·44
		Oct. 21	Nov. 11	22	4·94	..	..	..	..	Nov. 7	·73
Co. Kerry ..3	Valentia Observatory	Jan. 15	Feb. 2	19	5·07	Jan. 16	Feb. 1	17	5·02	Jan. 26	1·39
		Feb. 9	Mar. 7	28	3·95	..	..	..	..	Feb. 10	·65
		June 28	Aug. 1	35	5·43	..	..	..	..	July 11	·86
		Oct. 21	Nov. 16	27	7·07	Nov. 1	Nov. 16	16	4·89	Nov. 11	·83
Co. Waterford ...3	Waterford (Gortmore)	July 6	July 20	15	3·04	..	..	..	..	July 17	1·19

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
IRELAND —(*con.*).				days	in.			days	in.		in.
Co. Tipperary 1	Nenagh (Castle Lough)	April 12	April 28	17	2·60	..	..	..	..	April 21	·71
		June 30	July 19	20	4·62	..	..	..	..	July 17	1·03
		Nov. 1	Nov. 16	16	3·50	..	..	..	..	Nov. 7	·57
,, ..3	Cashel (Ballinamona)	Nov. 1	Nov. 16	16	2·74	..	..	..	..	Nov. 7	·58
		Dec. 1	Dec. 18	18	3·54	..	..	..	..	Dec. 13	·69
Co. Limerick 2	Foynes (Coolnanes)	Oct. 21	Nov. 11	22	6·11	..	..	..	..	Nov. 10	·74
Co. Leix ...2	Abbey Leix (Blandsfort)	Nov. 1	Nov. 17	17	3·42	..	..	..	..	Nov. 11	·84
		Dec. 1	Dec. 18	18	2·92	..	..	..	..	Dec. 13	·80
Co. W'meath 1	Mullingar (Belvedere Ho.)	June 29	July 20	22	5·92	..	..	..	..	June 30	1·82
		Oct. 16	Nov. 9	25	3·31	..	..	..	..	Oct. 25 Oct. 30	·34
Co. Longford 2	Newtownforbes (C. Forbes Gds.)	Nov. 1	Nov. 16	16	3·52	..	..	..	..	Nov. 11	·83
Co. Mayo ..4	Mallaranny.....	Jan. 19	Feb. 6	19	3·69	Jan. 19	Feb. 4	17	3·66	Jan. 31	·45
		Feb. 19	Mar. 8	19	5·59	..	..	..	..	Feb. 19	1·02
		June 30	July 20	21	4·31	..	..	..	..	June 30	·89
		Oct. 21	Nov. 17	28	9·90	Oct. 21	Nov. 5	16	5·33	Nov. 7	1·07
		Nov. 26	Dec. 22	27	7·60	..	..	..	..	Dec. 13	1·02
,, ..5	Delphi Lodge	Jan. 19	Feb. 6	19	5·15	..	..	..	..	Jan. 26	1·04
		July 6	July 20	15	4·35	..	..	..	..	July 17	·90
		Aug. 29	Sept. 13	16	8·14	..	..	..	..	Sept. 6	1·60
		Oct. 12	Nov. 16	36	16·25	Oct. 21	Nov. 16	27	13·58	Nov. 7	1·91
		Nov. 26	Dec. 31	36	16·13	Dec. 9	Dec. 31	23	11·21	Dec. 13	2·25

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table XI.—*Rain Spells and Wet Spells in* 1936—(*con.*).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted	Total Rain.	Began.	Ended.	Lasted	Total Rain.	Date.	Rain.
IRELAND —(*con.*).				days	in.			days	in.		in.
Co. Sligo ...**2**	Collooney (Markree Castle)	June 29	July 28	30	7·44	July 6	July 20	15	3·70	June 30	·86
		Oct. 12	Nov. 11	31	6·87	Oct. 22	Nov. 5	15	3·46	Oct. 24	·75
		Nov. 26	Dec. 23	28	5·52	Nov. 30	Dec. 22	23	4·97	Dec. 13	·58
Co. Ferm'gh **1**	Newtownbutler (Crom Castle)..	Jan. 19	Feb. 2	15	1·71	..	..	..	..	Jan. 26	·32
		July 22	Aug. 5	15	3·62	..	..	..	..	July 22	·93
		Oct. 16	Oct. 30	15	2·59	..	..	..	..	Oct. 24	·57
		Nov. 1	Nov. 16	16	3·70	..	..	..	..	Nov. 11	·76
Co. Down ..**2**	Seaforde	Oct. 12	Nov. 17	37	6·93	..	..	..	..	Nov. 11	1·26
Co. Antrim .**5**	Ballymena (Harryville)	24xii.35	Jan. 10	18	4·37	..	..	..	..	Jan. 5	1·09
		Oct. 24	Nov. 16	24	5·67	Oct. 24	Nov. 16	24	5·67	Nov. 11	1·02
Co. Tyrone .**3**	Omagh (Edenfel)	24xii.35	Jan. 10	18	4·78	..	..	..	..	Jan. 9	·79
		July 6	July 20	15	4·27	..	..	..	..	July 9	1·11
		Oct. 12	Nov. 11	31	7·81	Oct. 24	Nov. 9	17	5·19	Oct. 24	1·23
		Nov. 25	Dec. 25	31	5·54	..	..	..	..	Dec. 4	·83
Co. Donegal **2**	Buncrana (Rectory)	29xii.35	Jan. 13	16	3·24	..	..	..	..	Jan. 9	1·40
		Jan. 15	Feb. 5	22	2·10	..	..	..	..	Jan. 20	·44
		Feb. 21	Mar. 9	18	2·35	..	..	..	..	Mar. 4	·35
		Oct. 11	Nov. 6	27	5·13	..	..	..	..	Oct. 24	·68

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

5. DURATION OF RAINFALL IN 1936.

The duration of rainfall is obtained from measurements of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, in accordance with scales which are printed upon the charts before they are placed in position in the gauges. The pen of an autographic gauge writes a horizontal line on the record during such time as no rain is falling, and it writes a more or less sloping line whenever rain is passing into the receiver of the gauge.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate not less than 0·1 mm. per hour, *i.e.*, ·004 in. per hour. The tabulations at all the official stations are made according to this convention, which was first brought into general use in *British Rainfall*, 1920. It was adopted because during very light rainfall it was found to be almost impossible to decide upon the exact point on the record where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion this difficulty is to a great extent avoided and it is found possible to obtain comparable measurements from different gauges and from different observers. The limit of 0·1 mm. (·004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

The list of stations reporting duration of rainfall for 1936 is given in Tables XII and XIII. These tables have been arranged in this volume so as to give information of the total duration of rainfall and of the mean rate of rainfall for the same stations at one opening. The distribution of the stations for 1934 was shown on a map on p. 42 of *British Rainfall*, 1934. The list is the same as that for 1935 apart from the following deletions and additions:—complete records are no longer available for Fulham, Eastbourne, Wealdstone, Felixstowe, Plymouth (The Hoe), Nelson and Skipton (Embsay Moor); while additional records have been received from Hanwell and Edgeware (Middlesex County Council), Acton Cemetery (Borough Engineer), Barnet (Borough Engineer), Ilford (Borough Engineer), Mildenhall (Meteorological Office), Moretonhampstead (Mr. G. B. Davie); Bristol, Victoria Park (City Engineer), Horfield, near Bristol (Mr. G. H. Brown) Cannock (Engineer to the U.D.C.), Hodsock (Mr. E. Dixon), Liverpool (City Engineer), Rotherham (Mr. J. H. Kershaw), Upper Lliw Reservoir (Water Engineer, Swansea) and Balmoral Castle Gardens (Mr. R. F. Chalmers, the recording gauge being lent by the Royal Meteorological Society). For 1936 the net gain is eight, of which six are in England, one in Wales, and one in Scotland. A number

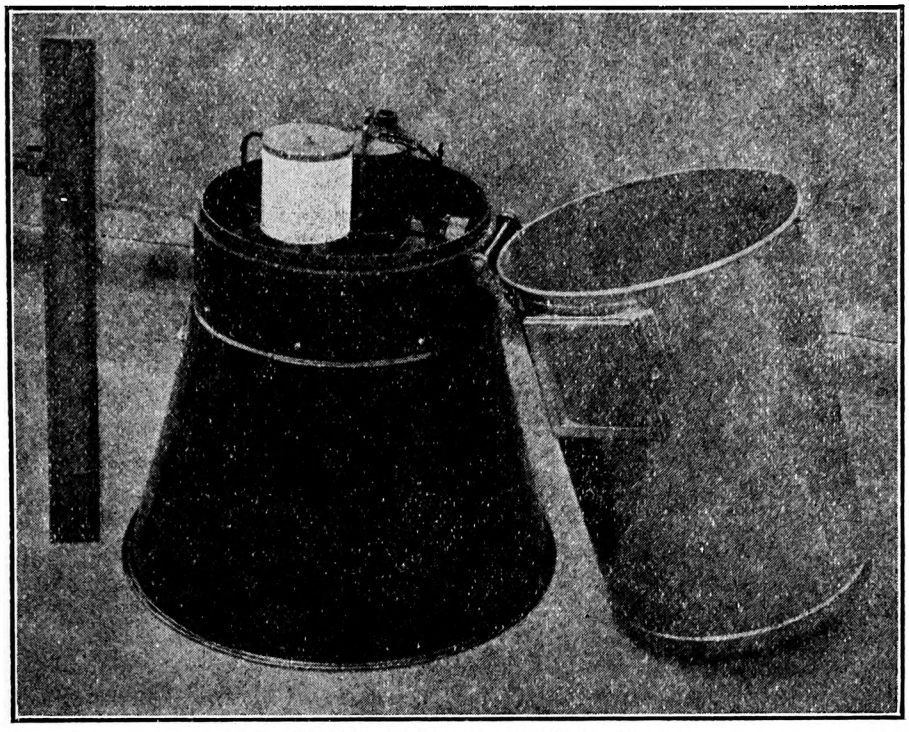
of recording gauges have also been set up during the year through the initiative of the Surrey County Council, and by certain Catchment Boards, including the Cheshire Rivers Catchment Board.

Complete records from two stations were obtained from the Dines Tilting Syphon, which is now being adopted as the standard Meteorological Office pattern recording rain-gauge. A diagram showing the principle of the gauge is given on p. 35, together with a photograph of the complete gauge. The rule on the left in the photograph is a 2 ft. rule from which it will be seen that the gauge is of somewhat massive proportions. This is due partly to the desire to make it as robust as possible and partly to the fact that an open scale record giving ten times the natural scale was desired. In order to obtain this scale it was considered expedient to fit a funnel of 11·31 in. diameter, having an area twice that of an 8 in. funnel. In this gauge the float chamber is mounted on knife edges which are so positioned that when the vessel containing the float becomes full it overbalances on the knife edges. This tilting action causes a surge of water to flow through the syphoning tube and so start the syphon in a positive manner. When the vessel has emptied it falls back into its former position under the action of gravity and is then ready for a repetition of the operation. This device ensures greater regularity in the action of the syphoning, which has given rise to difficulties in other recording rain-gauges. A description of the gauge appears in the 1934 edition of the *Meteorological Observer's Handbook*, p. 126 and in the *Meteorological Magazine* 1935, pp. 237-8.

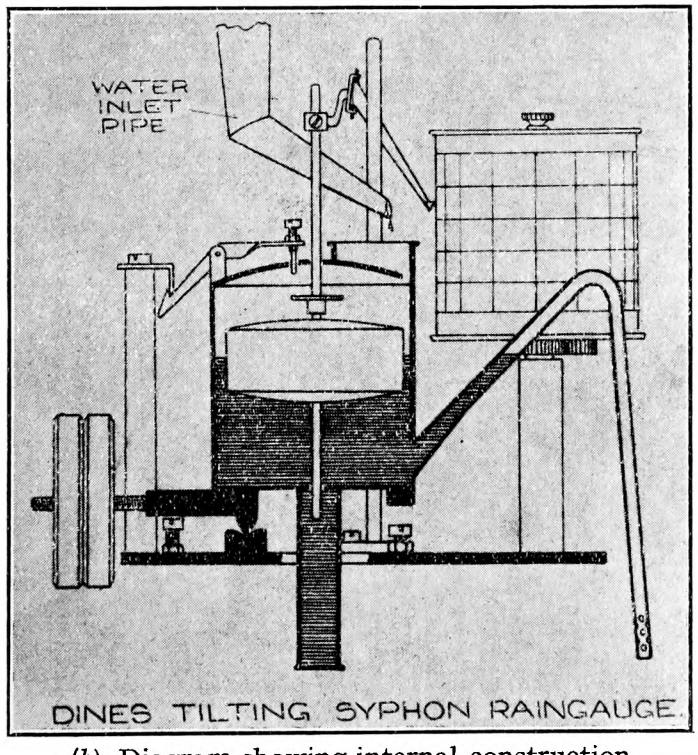
Hourly total values of the duration of rainfall, and totals for the days and months commencing at midnight, for the four Observatories Kew, Eskdalemuir, Aberdeen and Valentia are to be found in the *Observatories' Year Book.*

Table XII sets out the duration of rainfall expressed in hours at 101 stations in the British Isles, for each month and for the whole year of 1936. The station with the highest aggregate duration for the year is Snowdon (Cwm Dyli) with a duration of 1,408 hours. This period is equivalent to a total of about 59 days, or less than 4 hours per day throughout the year. The only other stations with aggregates reaching or exceeding 1,000 hours were Glenleven (Blackwater Dam) and Eskdalemuir Observatory with 1,319 and 1,064 hours respectively. The smallest aggregates for the year occurred at stations near London, where about 450 hours, or rather more than one hour per day, were recorded.

The month of least duration was May or August over the greater part of England and Wales, but April at Billingham in Co.Durham and October in the North Riding of Yorkshire. Over most of Scotland and Ireland either April or August gave the smallest number but May gave least in the South of Scotland and at Valentia in Co. Kerry.



(*a*) Photograph of complete gauge.



(*b*) Diagram showing internal construction.

Dines Tilting Syphon Rain-gauge.

Table XII.—*Duration of Rainfall at* 101 *Stations during* 1936. (*Monthly and Annual values.*)

For the purposes of this table the month commences either at 7 a.m. or 9 a.m. *G.M.T. on the first day of the month and ends at the same* ***hour on the first day of the following*** *month.*

County and River Division.	Station.	Pattern of Gauge.	H't. above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
London 2	Kensington Palace	Hyeto	80	99	55	39	45	15	55	41	13	39	35	78	50	564
,, ...2	Hampstead Observatory.....	Hyeto	451	86	47	36	42	13	51	52	14	39	33	67	66	546
,, ...2	St. Pancras (Camden Square).	Hyeto	111	89	49	34	39	11	49	44	14	34	40	63	49	515
Surrey 4	Croydon (Airport)	Nat. Syphon	217	125	76	44	57	11	51	64	13	32	37	96	96	702
,, ...5	Leatherhead (Dunard Lodge)	Nat. Syphon	233	89	51	35	45	10	39	57	13	31	29	65	79	543
,, ...5	Kingston (Sewage Works)....	Nat. Syphon	25	60	40	30	37	10	41	39	8	26	27	56	40	414
,, ...5	Kew Observatory	Beckley	20	73	47	30	37	12	46	41	13	28	31	58	47	463
Kent 1	Dover (Waterloo Crescent)...	Hyeto	22	106	56	27	41	4	..	..	..	40	43	98	55	..
,, ...2	Lympne (Airport)	Dines, T. S.	346	114	49	43	41	5	33	60	14	29	38	84	70	580
,, ...2	Ramsgate (East Cliff).....	Nat. Syphon	82	81	49	35	30	6	43	61	16	32	29	77	55	514
,, ...2	Manston (Aerodrome)	Nat. Syphon	142	87	46	27	32	3	35	53	16	29	40	82	51	501
,, ...4	Strood Waterworks.....	Nat. Syphon	112	91	45	30	33	10	44	51	16	29	29	80	72	530
Hampshire ..4	Calshot (Aerodrome)	Nat. Syphon	9	100	62	54	36	8	41	61	9	31	27	76	69	574
,, ..7	Petersfield (Stoner Hill).....	Hyeto	750	139	69	56	57	8	46	87	19	40	34	93	113	761
,, ..8	South Farnborough (R.A.E.).	Hyeto	237	88	68	45	60	13	56	71	7	35	33	72	90	638
Middlesex...1	Twickenham Refuse D. wks.	Hyeto	38	67	38	28	29	11	38	32	9	35	28	60	48	423
,, ...1	Hanwell	Hyeto	36	66	39	18	32	10	41	39	12	36	39	67	58	457
,, ...1	Acton Cemetery	Nat. Syphon	100	82	45	24	36	11	44	41	9	28	29	54	41	444
,, ...1	Hayes Sewage Works.....	Hyeto	124	59	33	26	25	11	43	44	10	33	34	67	55	440
,, ...1	Greenford.....	Hyeto	61	81	41	23	31	15	47	43	5	30	33	53	53	455
,, ...1	Edgeware M.C.C. Depot . ..	Hyeto	179	72	37	23	30	11	42	51	8	42	47	77	49	489
,, ...2	Palmers Gn. (Broomfield Park)	Casella	138	84	55	31	36	11	49	49	15	31	33	59	48	501
Herts. 2	Barnet (Sewage Works).....	Hyeto	295	68	36	19	30	7	43	44	11	32	32	49	30	401
,, ...2	Harpenden (Rothamsted)....	Nat. Syphon	420	71	53	40	37	12	50	61	7	40	33	66	62	532
Bucks 3	Eton (Tangier Island)	Nat. Syphon	78	71	51	40	40	12	43	53	9	32	19	40	48	458

Table XIII.—*Mean Rate of Rainfall at* 101 *Stations during* 1936. (*Monthly and Annual values.*)

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. er hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
London 2	Kensington Palace.....	·040	·026	·028	·032	·041	·057	·060	·028	·085	·055	·040	·039	·044
,, ...2	Hampstead Observatory	·054	·035	·032	·033	·039	·074	·074	·033	·085	·057	·045	·031	·051
,, ...2	St. Pancras (Camden Square).....	·045	·030	·032	·035	·045	·077	·067	·034	·089	·051	·049	·039	·050
Surrey 4	Croydon (Airport)	·040	·028	·027	·032	·039	·049	·064	·076	·087	·057	·041	·032	·043
,, ...5	Leatherhead (Dunard Lodge).....	·064	·046	·042	·040	·054	·074	·076	·188	·087	·068	·064	·043	·062
,, ...5	Kingston (Sewage Works).....	·063	·039	·032	·045	·062	·069	·070	·071	·077	·073	·047	·044	·056
,, ...5	Kew Observatory	·053	·035	·032	·042	·044	·076	·058	·037	·100	·058	·048	·030	·051
Kent.....1	Dover (Waterloo Crescent).....	·041	·041	·027	·056	·040	..	..	..	·067	·076	·048	·046	..
,, ...2	Lympne (Airport)	·040	·043	·023	·043	·102	·082	·078	·073	·096	·057	·051	·034	·052
,, ...2	Ramsgate (East Cliff).....	·037	·044	·026	·037	·034	·075	·060	·081	·109	·068	·045	·032	·051
,, ...2	Manston (Aerodrome).....	·036	·045	·034	·043	·055	·069	·077	·069	·114	·052	·044	·033	·052
,, ...4	Strood Waterworks.....	·050	·035	·031	·050	·050	·101	·055	·059	·060	·055	·047	·026	·050
Hampshire.....4	Calshot (Aerodrome)	·046	·041	·033	·049	·055	·076	·052	·028	·084	·031	·057	·035	·049
,, ...7	Petersfield (Stoner Hill).....	·053	·049	·049	·048	·071	·077	·060	·072	·080	·053	·053	·040	·054
,, ...8	South Farnborough (R.A.E.).....	·066	·036	·042	·037	·074	·059	·046	·085	·068	·070	·044	·032	·050
Middlesex 1	Twickenham Refuse D. Works....	·054	·038	·037	·053	·053	·083	·069	·048	·066	·055	·044	·031	·052
,, ...1	Hanwell	·056	·047	·047	·046	·053	·080	·083	·040	·091	·047	·045	·030	·055
,, ...1	Acton Cemetery	·051	·035	·042	·035	·046	·081	·067	·039	·121	·056	·059	·039	·056
,, ...1	Hayes Sewage Works.....	·072	·050	·039	·055	·050	·080	·053	·042	·086	·044	·045	·031	·055
,, ...1	Greenford	·055	·052	·051	·044	·033	·079	·102	·065	·105	·052	·060	·033	·061
,, ...1	Edgeware M.C.C. Depot	·061	·052	·057	·050	·056	·083	·092	·052	·068	·037	·039	·038	·057
,, ...2	Palmers Green (Broomfield Park)..	·053	·031	·040	·040	·030	·074	·064	·036	·089	·051	·054	·037	·052
Herts 2	Barnet (Sewage Works)	·065	·055	·063	·047	·064	·115	·092	·053	·093	·061	·061	·059	·071
,, ...2	Harpenden (Rothamsted).....	·054	·040	·031	·033	·036	·120	·074	·040	·084	·049	·055	·034	·057
Bucks.....3	Eton (Tangier Island)	·065	·038	·033	·045	·036	·067	·058	·049	·080	·087	·101	·039	·057

Table XII.—*Duration of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Pattern of Gauge.	H't. above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Oxon. 3	Upper Heyford (Aerodrome)..	Nat. Syphon	408	98	70	59	77	22	68	108	16	64	40	68	71	761
,, ...4	Harpsden (Cray)	Nat. Syphon	230	64	36	38	34	9	41	55	5	28	25	48	46	429
Beds.....3	Bedford (Bedford Park)	Nat. Syphon	117	70	45	36	48	19	58	74	9	45	25	52	42	523
Essex.....1	Leyton Sewage Works.....	Hyeto	22	95	50	36	47	11	55	39	13	34	32	73	46	531
,, ...2	Ilford (Valentines Park)	N. & Z. Float	43	80	60	36	38	9	48	40	13	29	32	72	47	504
,, ...5	Colchester (Waterworks)	Nat. Syphon	38	67	56	24	30	15	30	38	12	25	30	66	37	430
Suffolk.....2	Copdock.....	Casella	164	73	66	19	32	11	40	52	16	26	38	67	36	476
,, ...5	Mildenhall (Aerodrome).....	Nat. Syphon	19	63	62	19	58	28	44	70	19	27	36	50	34	512
Wilts. 3	Salisbury (Sewage Works) ..	Nat. Syphon	147	87	56	53	36	13	33	63	3	35	27	47	58	511
,, ...3	Porton (W.D. Ex. Station)...	Hyeto	363	69	39	34	40	5	23	53	3	27	26	39	71	429
,, ...3	Amesbury (Boscombe D. Aero.)	Nat. Syphon	419	81	50	58	48	8	30	66	5	38	35	44	67	530
Dorset 3	Poole.....	Hyeto	8	90	44	63	31	7	24	61	3	30	29	49	60	491
S. Devon....2	Plymouth (Mt. Batten Aero.) .	Nat. Syphon	82	97	70	68	39	11	20	97	15	30	27	57	72	603
,, ...4	Princetown (H.M. Prison) ...	Nat. Syphon	1430	183	113	108	86	16	31	210	63	92	83	134	151	1270
,, ...5	Chagford (Metherall)	Casella	1150	125	94	70	74	17	20	103	4	35	44	102	92	780
,, ...5	Moretonhampstead.....	Nat. Syphon	798	121	78	94	64	17	29	117	2	48	34	68	105	777
Cornwall 2	Falmouth Observatory	Beckley	167	137	113	96	58	32	31	103	21	47	47	102	89	876
Gloucs. 5	Bristol (Victoria Park)	Hyeto	126	(60)	55	64	57	11	37	95	11	52	34	70	59	(605)
,, ...5	Horfield	Hyeto	206	66	54	65	75	11	40	102	13	48	35	71	56	636
Hereford 1	Ross-on-Wye.....	Hyeto	224	65	43	45	49	8	38	83	5	25	26	37	67	491
Stafford.....3	West Bromwich.....	Hyeto	543	52	47	39	50	15	33	85	7	31	26	37	44	466
,, ...3	Cannock (Longford Lane S.F.)	Hyeto	400	58	61	39	51	17	40	81	10	44	29	42	39	511
,, ...5	Mayfield.....	Casella	374	103	56	47	52	7	43	96	32	74	71	61	69	711
Warwick 4	Birmingham (Handsworth Pk.)	Hyeto	424	61	63	36	49	14	40	79	9	30	27	34	43	485
,, ...4	,, (Erdington, Spring Ln.)	Hyeto	386	55	43	34	46	12	37	79	9	26	24	33	41	439

Table XIII.—*Mean Rate of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Oxon 3	Upper Heyford (Aerodrome).....	·039	·029	·031	·021	·048	·040	·039	·025	·057	·045	·039	·033	·037
,, ...4	Harpsden (Cray)	·066	·051	·049	·045	·094	·084	·061	·065	·095	·076	·071	·050	·065
Beds. 3	Bedford (Bedford Park)	·041	·057	·035	·026	·052	·068	·070	·044	·068	·053	·055	·035	·052
Essex 1	**Leyton Sewage Works**.....	·036	·027	·031	·026	·034	·055	·063	·032	·066	·051	·045	·042	·043
,, ...2	Ilford (Valentines Park)	·040	·022	·029	·032	·076	·067	·062	·025	·084	·046	·041	·035	·044
,, ...5	Colchester (Waterworks)	·057	·035	·024	·037	·050	·102	·070	·049	·069	·044	·046	·042	·051
Suffolk 2	Copdock	·047	·041	·031	·039	·085	·099	·056	·065	·076	·048	·047	·045	·053
,, ...5	Mildenhall (Aerodrome)	·046	·035	·024	·022	·029	·077	·077	·050	·156	·043	·046	·037	·052
Wilts. 3	Salisbury (Sewage Works)	·051	·044	·050	·043	·090	·071	·063	·063	·094	·071	·063	·052	·058
,, ...3	**Porton (W.D. Ex. Station)**.....	·063	·070	·070	·052	·132	·081	·069	·063	·130	·073	·073	·046	·069
,, ...3	**Amesbury (Boscombe** Down Aero.)	·057	·050	·040	·038	·071	·061	·071	·051	·106	·046	·053	·047	·056
Dorset 3	**Poole**	·059	·070	·052	·050	·089	·093	·067	·076	·098	·054	·069	·064	·065
S. Devon 2	Plymouth (Mt. Batten Aero.)	·059	·066	·050	·047	·054	·050	·062	·035	·087	·040	·051	·049	·056
,, ...4	Princetown (H.M. Prison)	·057	·063	·061	·051	·064	·100	·080	·033	·060	·045	·056	·083	·064
,, ...5	Chagford (Metherall)	·078	·078	·088	·055	·066	·157	·115	·115	·114	·058	·072	·122	·089
,, ...5	Moretonhampstead	·069	·088	·058	·047	·080	·077	·075	·041	·074	·045	·070	·066	·068
Cornwall.....2	**Falmouth Observatory**.....	·054	·056	·047	·046	·039	·084	·064	·022	·052	·033	·057	·052	·053
Gloucester 5	Bristol (Victoria Park)	(·060)	(·049)	(·043)	·039	·092	·093	·055	·037	·062	·045	·060	·049	(·055)
,, ...5	Horfield	·055	·050	·042	·034	·057	·128	·059	·035	·072	·048	·055	·059	·057
Hereford 1	**Ross**-on-Wye	·068	·055	·057	·045	·100	·105	·070	·033	·111	·060	·067	·059	·067
Stafford.....3	**West Bromwich**.....	·066	·058	·053	·043	·076	·098	·088	·123	·093	·065	·070	·053	·070
,, ...3	Cannock (Longford Lane Sew. Fm.)	·046	·037	·040	·037	·055	·093	·063	·059	·062	·054	·059	·038	·053
,, ...5	**Mayfield**	·041	·034	·036	·031	·059	·066	·060	·040	·063	·046	·061	·038	·048
Warwick 4	Birmingham (Handsworth Park) ..	·057	·038	·063	·041	·068	·080	·084	·065	·099	·064	·077	·065	·065
,, ...4	Birmingham (Erdington, Spring L.)	·060	·060	·060	·041	·080	·097	·071	·110	·111	·070	·067	·068	·070

TABLE XII.—*Duration of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Pattern of Gauge.	H't above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs,	hrs.	hrs.	hrs.	hrs.
Leicester ...4	Loughborough (Nanpantan R.)	Hyeto	269	77	66	39	54	11	46	70	10	35	19	37	34	498
Lincoln 3	**Cranwell (Aerodrome) .....**	**Nat. Syphon**	**242**	85	62	55	74	27	59	77	15	48	44	55	52	653
Nottingham..2	**Sutton Bonington (Agric. Coll.)**	**Hyeto**	**159**	60	63	30	42	11	47	70	9	39	24	39	33	467
„ 5	**Nottingham (Trent Lane)....**	**Fernley**	**83**	77	65	40	66	13	53	76	13	35	36	48	40	562
„ ..5	Workshop (Hodsock)	Halliwell	56	80	74	39	46	19	61	60	21	24	32	45	40	541
Derby 6	**Burbage (Lower Burbage)....**	**Hyeto**	**925**	71	79	57	67	26	60	60	28	59	63	71	70	711
Cheshire 3	**Birkenhead (Bidston Obs.)...**	**Nat. Syphon**	**198**	98	71	44	48	22	52	48	30	47	33	66	81	640
S. Lancs. ...2	Liverpool (Monument Place)	Casella	124	108	74	54	45	21	60	66	37	59	50	79	85	738
„ 3	Manchester (Barton Airport)..	Nat. Syphon	70	86	59	45	42	14	63	70	36	61	62	78	73	689
„ 3	**Bolton (Queen's Park).....**	**Fernley**	**342**	89	68	52	37	19	60	87	51	63	79	97	95	797
C. Lancs. ...1	Accrington	Nat. Syphon	646	97	(72)	(48)	34	17	66	73	40	66	77	91	99	(780)
„ ...2	Leyland (Worden Hall)	Fernley	125	97	64	49	39	16	69	61	39	61	60	93	74	722
„ ...3	**Southport (Hesketh Park)....**	**Fernley**	**39**	93	71	54	42	17	61	41	30	40	40	59	56	604
N. Lancs. ...4	**Lancaster (Greg Observatory).**	**Beckley**	**312**	65	43	43	22	21	64	57	56	65	65	85	85	671
W.R. Yorks..7	**Sheffield W.W. (Rivelin).....**	**Hyeto**	**564**	74	66	55	51	24	54	59	25	57	65	66	54	650
„ ..7	Rotherham (Aldwarke Sew. W.)	Hyeto	71	60	62	40	40	19	55	57	17	29	31	46	47	503
„ ..7	Langsett Moor (Swinden Lodge)	Nat. Syphon	1038	93	81	67	60	28	66	68	24	63	72	95	87	804
„ ..8	Dewsbury (Municipal Offices).	Hyeto	225	..	..	..	(24)	21	48	39	18	48	32	47	31	..
W.R. Yorks. .9	**Haworth (Lower Laithe Res.).**	**Hyeto**	**771**	117	57	69	54	28	72	63	30	72	67	93	125	847
„ ..9	**Earby (Sewage Works).....**	**Hyeto**	**426**	70	52	38	35	22	75	73	34	55	71	90	97	712
„ ..9	Skipton (Town Hall)	Hyeto	368	(83)	69	60	29	28	73	79	33	54	68	75	80	731
N.R. Yorks..2	**Felixkirk (Mt. St. John).....**	**Halliwell**	**542**	80	70	51	45	31	75	62	35	33	30	58	37	607
„ ..2	Catterick (Aerodrome).....	Nat. Syphon	175	90	81	55	40	41	89	54	32	32	31	51	47	643
Durham 1	Billingham-on-Tees	Nat. Syphon	58	65	65	32	23	40	50	50	30	26	29	43	26	479
Glamorgan ..1	Felindre (Upper Lliw Res.) ..	Hyeto	599	88	33	58	57	18	32	79	41	34	39	87	70	636
„ ..3	**Swansea (Victoria Park).....**	**Hyeto**	**28**	61	24	39	36	9	21	..	25	32	28	52	48	..

Table XIII.—*Mean Rate of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Leicester 4	Loughborough (Nanpantan Res.) ..	·054	·033	·039	·036	·030	·097	·073	·071	·075	·076	·067	·049	·058
Lincoln.....3	**Cranwell (Aerodrome).....**	·039	·035	·021	·023	·027	·054	·060	·052	·048	·042	·040	·029	·039
Nottingham.....2	**Sutton Bonington (Agric. College)..**	·054	·029	·042	·035	·027	·070	·074	·056	·055	·051	·054	·047	·052
,, ...5	**Nottingham (Trent Lane).....**	·041	·028	·032	·026	·058	·050	·072	·059	·067	·032	·042	·033	·043
,, ...5	Worksop (Hodsock)	·043	·036	·039	·028	·035	·071	·063	·057	·075	·059	·055	·035	·049
Derby 6	**Burbage (Lower Burbage).....**	·056	·039	·043	·038	·075	·066	·080	·063	·075	·074	·059	·051	·058
Cheshire 8	**Birkenhead (Bidston Observatory).**	·040	·030	·029	·019	·047	·082	·061	·050	·063	·045	·042	·043	·045
S. Lancs. 2	Liverpool (Monument Place)	·039	·035	·030	·025	·046	·059	·048	·043	·053	·042	·042	·040	·042
,, ...3	Manchester (Barton Airport).....	·046	·028	·032	·025	·044	·058	·046	·053	·082	·045	·046	·040	·046
,, ...3	**Bolton (Queen's Park) .....**	·058	·036	·053	·032	·050	·059	·058	·057	·100	·067	·069	·055	·059
C. Lancs. 1	Accrington	·062	(·040)	(·060)	·030	·063	·059	·058	·061	·080	·068	·063	·066	(·061)
,, ...2	Leyland (Worden Hall)	·046	·034	·047	·033	·068	·069	·068	·103	·063	·063	·058	·058	·057
,, ...3	**Southport (Hesketh Park) .....**	·042	·031	·037	·028	·071	·081	·062	·058	·084	·061	·082	·063	·056
N. Lancs.....4	**Lancaster (Greg Observatory).....**	·065	·049	·047	·025	·063	·073	·060	·058	·082	·055	·060	·062	·061
W.R. Yorks.....7	**Sheffield W.W. (Rivelin).....**	·058	·052	·052	·039	·073	·070	·066	·059	·066	·062	·069	·065	·060
,, ...7	Rotherham (Aldwark Sew. Works).	·047	·045	·042	·032	·052	·071	·065	·104	·070	·078	·062	·038	·056
,, ...7	Langsett Moor (Swinden Lodge) ..	·055	·057	·056	·031	·058	·070	·055	·058	·086	·071	·079	·048	·061
,, ...8	Dewsbury (Municipal Offices)	..	..	..	(·047)	·044	·077	·058	·073	·057	·076	·069	·042	..
,, ...9	**Haworth (Lower Laithe Res.).....**	·057	·051	·050	·030	·076	·056	·062	·100	·063	·078	·071	·050	·059
,, ...9	**Earby (Sewage Works).....**	·056	·035	·047	·034	·042	·040	·044	·066	·074	·051	·043	·049	·048
,, ...9	**Skipton (Town Hall) .....**	(·044)	·030	·032	·045	·057	·048	·051	·071	·073	·046	·053	·049	·048
N.R. Yorks.....2	**Felixkirk (Mt. St. John).....**	·047	·043	·037	·035	·040	·048	·073	·086	·082	·050	·056	·049	·053
,, ...2	Catterick (Aerodrome)	·041	·034	·031	·032	·039	·063	·070	·072	·102	·042	·042	·035	·048
Durham 1	Billingham-on-Tees	·047	·039	·042	·045	·046	·070	·068	·071	·105	·039	·055	·057	·056
Glamorgan 1	Felindre (Upper Lliw Res.)	·088	·077	·071	·068	·067	·167	·113	·083	·140	·073	·079	·073	·089
,, ...3	**Swansea (Victoria Park).....**	·112	·098	·091	·121	·083	·123	..	·065	·141	·082	·115	·087	..

Table XII.—*Duration of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Pattern of Gauge.	H't. above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Glamorgan ..7	Cardiff (Penylan).....	Nat. Syphon	205	78	32	65	71	18	29	95	24	50	40	81	77	660
Brecon.....7	Cray Reservoir.....	Halliwell	1044	116	59	125	71	22	54	95	24	48	47	79	109	849
Flint 1	Sealand (Aerodrome)	Hyeto*	17	115	80	52	57	22	62	74	39	60	43	65	74	743
Merioneth ..1	Bala (Tegid Street).....	Nat. Syphon	537	131	91	(66)	63	25	74	89	29	61	(65)	98	124	(916)
Carnarvon...5	Snowdon (Cwm Dyli).....	Beckley	310	147	136	109	80	46	103	140	114	108	111	152	162	1408
Anglesey	Holyhead (Salt Island).....	Dines, T. S.	26	98	67	61	47	36	70	63	43	49	44	55	105	738
Dumfries....5	Eskdalemuir Observatory ..	Beckley	794	141	91	99	39	17	55	96	66	88	99	100	173	1064
Berwick.....3	Swinton House	Hyeto	200	77	71	38	34	28	27	44	24	51	33	62	35	524
Midlothian ..5	Boghall (Col. of Agriculture)..	Hyeto	646	88	79	53	39	19	32	65	29	62	47	58	63	634
Lanark 4	Crawford (Camps Res.)	Nat. Syphon	970	92	78	68	30	17	50	92	35	56	84	66	97	765
Ayr 8	Kilmarnock (Kay Park).....	‡	132	89	36	45	18	28	33	68	49	48	69	75	94	652
Renfrew 2	Renfrew (Abbotsinch Aero.) .	Hyeto*	33	97	51	56	21	31	38	79	37	57	78	83	132	760
,, ...8	Greenock (Prospect Hill).....	Hyeto	200	88	69	62	24	38	41	88	50	67	95	72	149	843
Argyll 4	Glenleven (Blackwater Dam)..	Hyeto	1072	119	102	89	59	54	59	122	91	126	163	105	230	1319
,, ...14	Tiree	Hyeto	22	55	50	73	32	47	44	34	47	52	66	71	83	654
Fife 8	Leuchars (Aerodrome)	Nat. Syphon	30	84	63	64	16	24	29	67	16	62	38	35	57	555
Angus 1	Kirriemuir (Lintrathen).....	Nat. Syphon	700	111	98	100	18	40	46	98	41	89	50	48	110	849
Aberdeen ...1	Balmoral Castle Gardens	Nat. Syphon	927	91	66	54	23	38	23	66	18	63	63	56	75	636
,, ...2	Aberdeen Observatory	Beckley	48	97	58	63	23	40	24	74	26	77	46	36	55	619
,, ...2	Dyce (Craibstone).....	Hyeto	300	105	60	49	14	38	20	65	23	57	37	34	38	540
Shetland	Lerwick Observatory	Hyeto	269	118	77	72	29	33	24	73	45	63	74	57	86	751
Cork.....7	Cork (University College)....	Hyeto	64	120	109	59	39	25	30	63	20	51	50	48	88	702
Kerry.....8	Valentia Observatory	Beckley	30	112	89	77	52	32	50	73	47	55	62	92	124	865
Armagh.....5	Armagh (Observatory).....	Beckley	209	114	81	68	34	52	82	131	41	96	71	115	112	997
Antrim 5	Aldergrove (Aerodrome)	Nat. Syphon	238	77	54	56	18	42	40	66	33	39	51	63	89	628

‡ **Private construction.** * Replaced by Dines Tilting Syphon rain-gauge during 1936.

Table XIII.—*Mean Rate of Rainfall at* 101 *Stations during* 1936—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Glamorgan.....7	**Cardiff (Penylan)**.....	·062	·048	·053	·048	·089	·155	·088	·057	·061	·044	·057	·058	·065
Brecon.....7	**Cray Reservoir**.....	·079	·069	·044	·055	·089	·079	·107	·068	·090	·078	·078	·102	·078
Flint 1	**Sealand (Aerodrome)**	·053	·028	·038	·030	·051	·070	·034	·033	·052	·031	·038	·034	·041
Merioneth 1	Bala (Tegid Street)	·068	·037	(·050)	·033	·089	·076	·068	·049	·087	(·080)	·070	·078	(·065)
Carnarvon 5	Snowdon (Cwm Dyli)	·087	·052	·068	·043	·064	·094	·078	·069	·115	·091	·098	·101	·083
Anglesey	**Holyhead (Salt Island)**.....	·049	·037	·044	·029	·034	·072	·058	·048	·071	·046	·062	·054	·051
Dumfries 5	**Eskdalemuir Observatory**.....	·058	·037	·046	·038	·037	·052	·072	·049	·064	·069	·053	·055	·055
Berwick 3	Swinton House	·042	·048	·050	·038	·061	·055	·066	·062	·055	·044	·052	·050	·051
Midlothian.....5	**Boghall (Col. of Agriculture)**	·045	·040	·048	·036	·049	·055	·070	·047	·060	·051	·053	·037	·049
Lanark 4	Crawford (Camps Res.)	·051	·041	·029	·043	·053	·075	·051	·046	·055	·059	·059	·062	·052
Ayr 3	**Kilmarnock (Kay Park)**.....	·047	·043	·053	·061	·062	·055	·089	·089	·079	·077	·053	·065	·065
Renfrew 2	Renfrew (Abbotsinch Aero.).....	·047	·036	·047	·058	·060	·040	·068	·055	·063	·065	·052	·049	·053
,, ...3	**Greenock (Prospect Hill)**.....	·074	·054	·065	·064	·071	·042	·076	·055	·062	·082	·069	·066	·067
Argyll 4	**Glenleven (Blackwater Dam)**.....	·045	·048	·046	·057	·044	·052	·074	·054	·041	·074	·066	·097	·063
,, ...14	Tiree	·056	·049	·035	·046	·049	·050	·066	·059	·078	·057	·062	·055	·055
Fife 3	**Leuchars (Aerodrome)**.....	·048	·056	·037	·033	·054	·054	·079	·059	·047	·030	·049	·028	·049
Angus.....1	**Kirriemuir (Lintrathen)**.....	·036	·027	·021	·037	·018	·061	·056	·040	·047	·045	·047	·032	·038
Aberdeen 1	Balmoral Castle Gardens.....	·047	·035	·024	·053	·043	·048	·052	·068	·046	·041	·049	·048	·044
,, ...2	**Aberdeen** Observatory	·046	·033	·026	·030	·030	·035	·063	·054	·034	·026	·037	·036	·039
,, ...2	Dyce (Craibstone)	·053	·044	·032	·046	·034	·064	·083	·066	·045	·036	·061	·049	·051
Shetland.....	**Lerwick Observatory**	·037	·045	·033	·049	·033	·041	·059	·055	·036	·056	·052	·047	·045
Cork 7	**Cork (University College)**	·063	·055	·055	·041	·055	·051	·090	·029	·057	·030	·072	·056	·057
Kerry 3	**Valentia Observatory**	·079	·040	·046	·051	·065	·048	·064	·037	·076	·049	·059	·058	·057
Armagh 5	**Armagh (Observatory)**	·029	·022	·025	·016	·030	·054	·045	·043	·045	·039	·033	·029	·035
Antrim 5	**Aldergrove (Aerodrome)**.....	·056	·032	·038	·040	·031	·087	·089	·073	·098	·053	·051	·042	·056

Many stations recorded less than 10 hours of rain in May in the southern half of England, and in August in the west of England, with only 2 hours at Moretonhampstead.

The month of largest duration was generally January but at a number of stations, especially in the north of England, north of Wales and in Scotland and Ireland it was December. The month of largest duration was February at Rotherham, July at Bristol and November at Bolton. The only month during which no station recorded as many as 100 hours of rainfall was April, while values exceeding 150 hours occurred only in October (Glenleven 163 hours), November (Snowdon 152 hours) and December (Glenleven, Eskdalemuir and Snowdon with 230, 173 and 162 hours) respectively.

Table XIII sets out the mean monthly and annual values of rate of rainfall at each of the stations of Table XII. The rainfall amounts are taken from the ordinary gauge for making daily observations which is set up alongside the recording gauge. The values are obtained by dividing the total fall for the month or year by the duration as given in the preceding table. The mean rates for the year vary from ·089 in. at Upper Lliw Reservoir, in Glamorgan and ·083 in. at Snowdon (Cwm Dyli) to ·035 in. per hour at Armagh Observatory. The highest mean rate was recorded in August at Leatherhead, *viz.*, ·188 in. per hour. This was due mainly to a fall of 2·04 in. in 1·5 hour on the 10th; this fall qualifies for inclusion, as a " remarkable fall," in Table XV, Heavy Falls in Short Periods.

6. HEAVY FALLS IN SHORT PERIODS IN 1936.

Heavy falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. Considerable damage may occur as a result of the accumulation of flood water below the area of heaviest rainfall. The amount of the damage depends on a number of other factors, such as the shape of the catchment area, the nature of the ground and vegetation, whether the water finally flows into the river or sea at high or low tide and the relative positions of the towns. In towns the floods may be aggravated by the failure of the drainage system to cope with the demands made upon it. The information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration causing often more widespread flooding.

Since 1908, this section of *British Rainfall* has contained a classification of intense falls into three categories designated " worthy of notice," " remarkable," and " very rare ". The classification has been effected by reference to a diagram of which a copy was reproduced on p. 44 of *British Rainfall,* 1935. This diagram indicates by continuous curved lines the lower limits of rainfall which must fall in stated times in order that the fall may be admitted into one of the three categories. The diagram was prepared almost exclusively from eye observations of rainfall duration and from corresponding measurements of rainfall in ordinary rain-gauges.

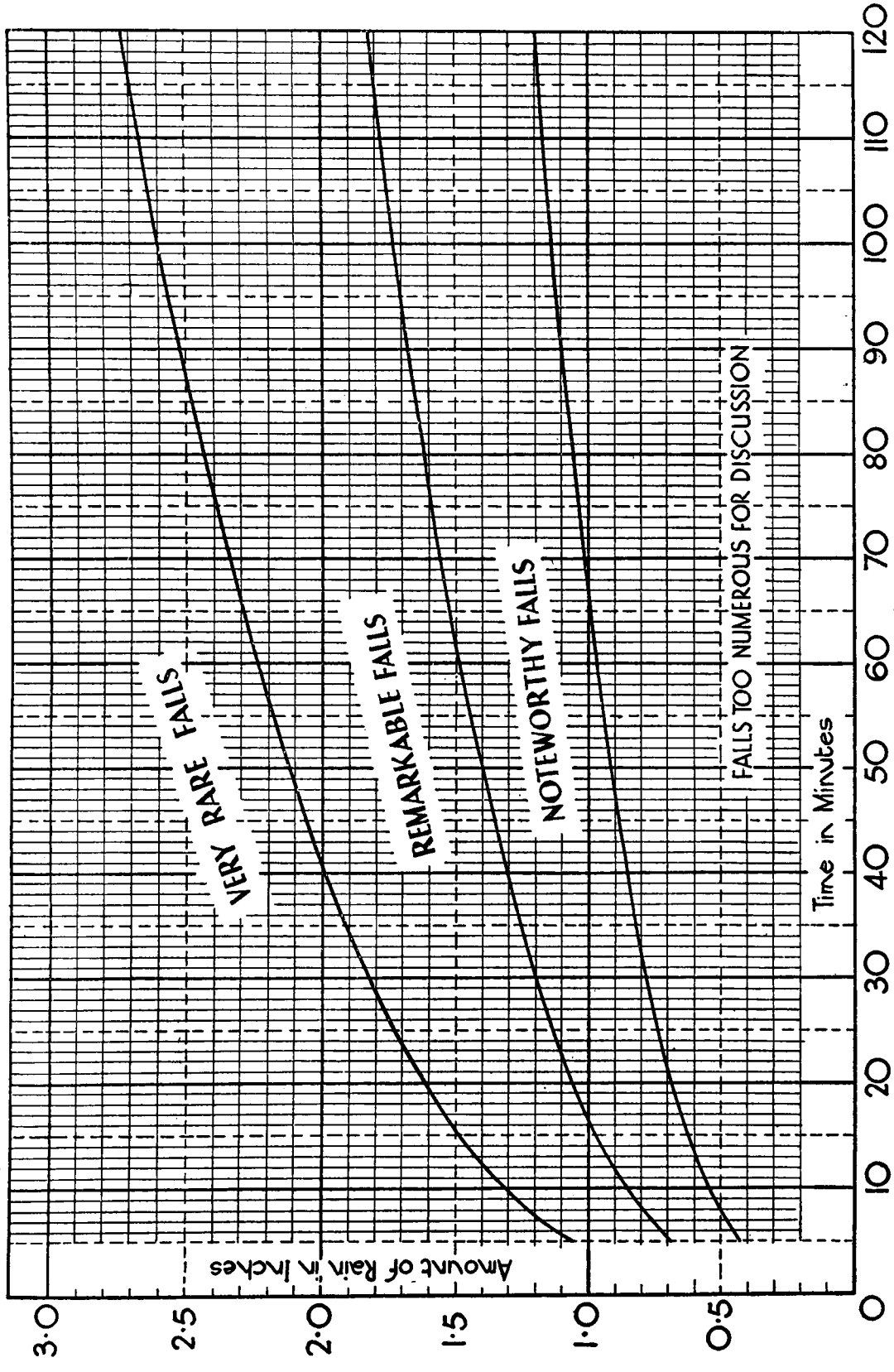
On pp. 45–46 of *British Rainfall,* 1926, it was pointed out that the frequency of intense falls above the curve denoting the limit of noteworthy falls is in actual fact much greater for small intervals of time (*i.e.*, the left-hand side of the diagram) than for larger intervals (the right-hand side of the diagram). Consideration was therefore given to the question of modifying the curves so that they might represent, as nearly as possible, rainfalls having a uniform frequency of incidence. A new classification-diagram was prepared, full particulars being given in an article in Part IV of *British Rainfall,* 1935.

The diagram is reproduced on p. 47 and the lower limits are set out in the table on p. 46, these limits being brought into operation as from January 1st, 1936.

Lower limits of intense Rainfalls for purposes of classification brought into use initially in "British Rainfall," 1936.

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
mins.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less ..	·43	10·9	5·16	·68	17·3	8·16	1·06	26·8	12·72
10 ,, ..	·54	13·8	3·24	·85	21·6	5·10	1·31	33·2	7·86
20 ,, ..	·68	17·3	2·04	1·06	26·8	3·18	1·61	40·9	4·83
30 ,, ..	·77	19·7	1·54	1·19	30·3	2·38	1·82	46·2	3·64
40 ,, ..	·85	21·6	1·27	1·30	33·2	1·95	1·98	50·3	2·97
50 ,, ..	·91	23·2	1·09	1·40	35·6	1·68	2·12	53·8	2·55
60 ,, ..	·97	24·5	·97	1·48	37·6	1·48	2·24	56·8	2·24
70 ,, ..	1·01	25·7	·87	1·55	39·4	1·33	2·34	59·5	2·01
80 ,, ..	1·05	26·8	·79	1·61	40·9	1·21	2·44	61·9	1·83
90 ,, ..	1·09	27·8	·73	1·67	42·4	1·11	2·52	64·0	1·68
100 ,, ..	1·13	28·8	·68	1·72	43·8	1·03	2·60	66·0	1·56
110 ,, ..	1·16	29·6	·63	1·77	45·0	·97	2·67	67·8	1·46
120 ,, ..	1·19	30·4	·59	1·82	46·2	·91	2·73	69·4	1·37

A list of the recorded falls of "very rare" intensity of one hour or less, qualifying for inclusion under the new classification, is given in Table XIV. This has been prepared by eliminating from Table XIV of *British Rainfall*, 1935 the 17 falls of a duration of 18 minutes or less which now fail to qualify for inclusion. It has not been possible to add any other records which might have been included had the new classification been in operation in 1908. There are four entries for 1936, *viz.*, at Dunstable on May 6th, at Bristol, Clifton and Bodmin on June 29th and at Leatherhead on August 10th. In Table XV particulars are given of falls recorded in 1936 which reached at least the intensity "worthy of notice". Unlike Table XIV, falls of longer duration than one hour are included, the upper limit being two hours. In general not more than one entry is made for the same shower for any station. The main entry gives the largest amount recorded with a mean intensity "worthy of notice," "remarkable," or "very rare," as the case may be, an entry at the higher rate being in general preferred. In the case of entries ranking as "very rare" additional entries are included in italics under "worthy of notice" and "remarkable," and in the case of "remarkable" entries under "worthy of notice" also where such information is available. In Table XV additional information was available in only one case. Unless the amount was ·43 inch or more, intense falls of less duration than five minutes are not included in the table, since in such cases the error is likely to be relatively large and such falls are not usually of practical importance.



Classification of heavy falls in short periods.

In accordance with practice the geographical distribution of the heavy falls of Table XV is given in the following summary. The analysis probably separates the areas of more frequent and intense falls from those relatively immune, although it cannot be expected to indicate the actual relative frequency of intense falls in each area.

Number of Noteworthy Rains of Two Hours' Duration or less.

		England and Wales.							British Isles.	Per cent. of all records.
		S.E.	S.W.	N.E.	N.W.	Total.	Scotland.	Ireland.		
1936	(*a*) ..	25	13	5	7	50	4	1	55′	1·0
	(*b*) ..	5	2	0	2	9	1	0	10	0·2
	Sums ..	30	15	5	9	59	5	1	65	1·2

(*a*) Observations made without autographic rain-gauges.
(*b*) Readings of autographic gauges.

Most of the entries occur in south-east and south-west England. There are only five entries for Scotland and only one for Ireland.

The total number 65, compares with an average for the period 1926 to 1934 of 33.

Usually about two-thirds of the total number of intense falls on record have occurred in the three months, June, July and August. That was the case in 1936 when there were 9 entries in May, 31 in June, 8 in July, 8 in August, and 8 in September.

There were no entries in Table XV for the first four months of the year.

The nine intense falls for *May* occurred on the 6th, 17th and 18th. The entries for May 6th occurred at Dunstable, Buckingham and Rainham in Essex. At Buckingham the rain fell between 18h. 20m. and 18h. 50m. and at Rainham between 15h. 40m. and 17h. Mr. E. L. Hawke forwards the following comments on the intense rain in the Dunstable district :—" An unusually severe thunderstorm occurred in the Dunstable district on the afternoon of Wednesday, May 6th, 1936. Mr. H. Simmons, Clerk of the Works at Whipsnade Zoological Park, is the authority for most of the following statements. His staff come from the towns and villages in the neighbourhood of Dunstable, so that he had excellent opportunities for ascertaining the facts. During the afternoon distant thunder could be heard from Whipsnade in the east, afterwards moving towards north. Dunstable town caught the storm very badly. Many basements were flooded out, and considerable damage was done to gardens and fruit trees. The hailstones were in some instances fully an inch in diameter. Locally the floods in the streets reached a depth of 4 ft. 6 in. At Houghton Regis, about a mile north of Dunstable town, the rainfall, as measured by the Manager

of the Dunstable Cement Works, was 2·08 in. between 16h. 55m. and 17h. 40m. G.M.T. The total for the day was 2·12 in. The Plough Inn, on the Icknield Way, just below Dunstable Downs, suffered severely. Many pigs were drowned in mud washed from the hillside fields by torrential rain. At Edlesborough, about 3 miles west-south-west of Dunstable, measurements made by Mr. Simmons himself gave seven-eights of an inch as the diameter of some of the hailstones. Great damage was done to greenhouses in the track of the storm, and also to Waterlow's, the printers, of Dunstable. At Whipsnade Zoological Park ·25 in. of rain was registered. The hail there was extremely local: some fell at the Tiger Pit, but none at the Lion Pit, a short distance away. Ivinghoe, on the south-west margin of the storm area, had only a little rain." The entries for May 17th were for stations in Surrey, Sussex or Berkshire. The times given for the heavy rain were 14h. 5m.—14h. 30m. at Rotherfield, 14h. 46m.—15h. 20m. at West Hoathly and 15h.—16h. at Worth Priory. At Forest Row (Charlwood Farm) the thunderstorm gave 2·10 inches in about an hour. The observer, Mr. A. Hoare, writes: "The river (Medway) 4 miles or so from its source rose 4 or 5 feet. The rain struck me as the heaviest I had ever known except once about the year 1866 but that storm did not last long, perhaps 20 or 25 minutes."

There was considerable flooding with resultant delay to traffic in West Wycombe owing to the heavy rain of the 17th. Unfortunately no records of this rain are available. Mr. R. E. Belsham, the head-master at West Wycombe, writes "I have a rain-gauge in my garden, which is about 50 yards from the village street which was submerged and this gave 1·8 inches between 15h. and 18h. In my opinion there were places in the immediate vicinity where the amount of rain which fell was much greater." At Hampden House, near Great Missenden, the amount recorded for the 17th was 1·66 inches and the heavy rain is reported to have fallen between 15h. and 17h. and to have been less intense than that at West Wycombe. The amount recorded at West Clandon Pumping Station, near Woking, was ·61 inch between 15h. 50m. and 16h. 50m. The only entry for May 18th was for Shepton Mallet, but as much as ·59 inch fell in 15 minutes during a thunderstorm on that day at Culmstock in Devon, with a large amount of hail, rendering the ground quite white.

The entries for *June* were confined to the 18th, 19th, 20th, 21st, 24th, 25th, 29th and 30th, and mainly to the 21st and 29th, for which days there were 12 and 9 entries respectively. Some details of the severe thunderstorms in the Chester district and at Shanklin* during the period June 19th to 22nd inclusive are given in the *Meteorological*

* At Guildford (Joseph's Rd.) ·90 inch fell in 30 mins. commencing 11h. on the 19th. This ranks as a "noteworthy fall" but was received too late for inclusion in the tables.

Magazine for July 1936, pp. 141–3. For the 18th there is an entry at Woodford Rectory, near Salisbury, and for the 19th entries at Stogursey, near Bridgwater, and Horam (Coxlow) near Hailsham. The observer at Stogursey writes " with prevailing wind from the north-west we had heavy thunder and lightning commencing about 4h. 45m. in the morning of the 18th and continuing until about 17h. I do not remember recording thunder and lightning for as long a period as 12 hours before although I have kept records for nearly 40 years. Over an inch of rain fell in about half-an-hour between 15h. and 16h."

There are three entries for the 20th, at Stretham Engine, Crickhowell and South Farnborough. At Stretham Engine ·80 inch fell in 30 minutes commencing at 20h. 30m. At Crickhowell (Dan-y-Parc) the heavy rain occurred during the night. Mr. R. G. Sandeman the observer there writes " Storms of moderate intensity had moved from about east to north during the afternoon, and the cumulonimbus accompanying them was of immense height and showed signs of exceptionally violent convection. At 20h. 15m. conditions became extremely threatening—enormous cumulonimbus from the east with two additional storm centres to the north. The lightning and thunder were almost continuous until about midnight, when a storm centre of terrific intensity rapidly came up from about east-south-east. This centre could be heard approaching above the roar of the other storm, and burst overhead at 23h. 25m. The lightning was continuous—flash upon flash of blinding intensity, which left the eyes aching, and the thunder shook the windows. Heavy hail fell locally for a few minutes, then torrential rain. One observer saw a ball of blue fire travelling from east to west high up in the sky." The following comments have been received from the Meteorological Officer at South Farnborough :—" Two distinct thunderstorms occurred on each of the three days 18th to 20th of which the last was the most outstanding. On the 20th a thunderstorm occurred from 14h. 5m. to 14h. 25m. and was accompanied by squalls up to 30 miles per hour, temperature fell from 85·5°F. to 70·0°F. in 28 minutes but the rainfall only amounted to ·07 inch. The climax occurred in a spectacular thunderstorm from S.S.E. lasting from 21h. 10m. to 22h. 20m. on the 20th while the Aldershot Tattoo was in progress. The wind rose from about 5 miles per hour to at least 48 miles per hour and ·94 inch of rain and hail fell in 48 minutes, of which ·79 inch fell in 26 minutes. Hailstones were generally described as ' the size of cherries ' or ' blackbird's eggs ' and did considerable damage to plants. Stout branches were broken off trees and visibility was reduced to 50 yards during hail. The noise of the hail against windows resembled machine-gun bullets rattling on a sheet of metal. Low lying portions of the road were still flooded to a depth of 10 inches at 7h. the following morning."

June 21st gave more entries than any other day of the year *viz.* twelve. The heavy rains at Lenham, to the south-west of Faversham, and at Teynham, to the north-west of Faversham, are reported as commencing at 18h. 5m. and 19h. respectively. At Knutsford, near Northwich, the heavy rain commenced at 17h., at Ganton, near Scarborough, at 16h. 15m. and at Corringham, in the south-east of Essex, at 18h. 30m. Entries are given for two stations in Staffordshire *viz.* Lichfield (Hanch Reservoir) and Yarlet Hall, to the north of Stafford. Mr. G. C. Wooldridge sends the following notes from Market Harborough :—" Here as elsewhere, a severe storm occurred on the night of June 21st, but, although lightning was vivid and continuous the worst effects were experienced a few miles north-east in the direction of Uppingham. A gale of wind uprooted small trees, branches were broken off and the roads littered with debris. In the village of Hallaton panes of glass were cracked by the hailstones. West Leicestershire had the heaviest rainfall. Mr. G. F. Graver, headmaster of Market Bosworth Senior School reported 2·47 inches in just over two hours." The following details by Mr. W. G. Cochran of Rothamsted Experimental Station were published in *The Times* :—" The thunderstorm which centred round St. Albans on the afternoon of the 21st is probably the worst in the district within living memory. The only fall of comparable magnitude during a similar storm occurred on August 2nd 1879 . . . The storm began about 14h. and was concentrated mainly in two periods, each of about half an hour's duration, and accompanied by almost continuous thunder. During the first period, from 14h. to 14h. 30m. 0·9 inch of rain fell. Thereafter the wind changed in direction from north-east to north-west and remained fairly calm until 18h. In the next half-hour 1·5 inches of rain fell and a gust of wind at 40 m.p.h. recorded. In the middle of this period there was an intensely heavy fall of hailstones, some of which were nearly an inch in diameter. Severe flooding occurred in the basements of several shops and the fire brigade was called out to pump the water away. Great damage was done to market-garden crops by the hail, the leaves being completely riddled, but cereal crops on the farm stood up fairly well to the storm." Rickmansworth was on the edge of the storm, ·27 inch occurring between 14h. 14m. and 14h. 19¼m. The hailstones were in many instances half-an-inch in diameter. The thermometer fell rapidly, within 6 minutes after 14h. 14m. from 86°F. to 65°F. The storm was local there being no hail at Redbourn, two miles to the south-west of Rothamsted. Some additional details of the heavy rain associated with the storm are given in Section 7.

Although there is no entry in Table XV the heavy rain in Belfast on the 23rd deserves special mention. At the Pumping Station 1½ inches fell between 15h. and 18h. and much flooding occurred. Mr. H. K. G. Rogers reports that ·84 inch fell from 17h. to 17h. 35m.

on the 24th at Mary Tavy near Tavistock. Two water spouts were seen on this day, one observer saw them a few miles beyond Princetown and the other just beyond Sheepstor village. The Rev. C. L. O'Ferrall of Hognaston Vicarage near Ashbourne reports that on the 25th 2·33 inches of rain fell between 15h. 15m. and 16h. 45m., although there was no thunder or lightning of any kind; the back of the vicarage became a raging torrent.

Thunderstorms affected many parts of the west country on the afternoon of the 29th. Of the 9 entries for this day as many as four occurred at stations in or near Bristol. At Horfield 1·82 inches fell in four hours, of which 1·64 inches occurred in two hours and 1·56 inches in 70 minutes commencing 14h. 18m. At Clifton 1·95 inches is reported to have fallen in 30 minutes commencing at 14h. 10m., at Bristol (Hopewell Hill) 1·47 inches in 75 minutes (most of which occurred in about 20 minutes) and at Tyndalls Park 2·00 inches in 40 minutes commencing at 14h. The falls at Clifton and Tyndalls Park rank as "very rare" and that at Horfield as "remarkable". Considerable damage occurred in Bristol, several main thoroughfares becoming muddy rivers and many wood blocks being forced up in the road. At Bath the rainfall was not so severe as at Bristol, but lightning was vivid and the Victoria obelisk was struck at about 16h. 30m. Bodmin experienced a fall of 2·98 inches from 14h. to 15h., a fall ranking as "very rare," with many flooded houses and several buildings struck by lightning. At the same time farmers at Washaway, a little over a mile from the town, were carrying hay in fine weather. At Trowbridge the heavy rain commenced at 15h. 5m. and of the 1·02 inches recorded in an hour as much as ·56 inch fell in 10 minutes. At Exeter (Countess Wear) the heavy rain commenced at 16h. 55m., at Blackwood (to the west of Pontypool) at 13h. 30m. and at West Hoathly, Sussex, at 14h. 51m. Entries are given for the 30th for Barry, where ·75 inch fell from 14h. 7m. to 14h. 28m. and Kirkhampton, near Bude, where there was 2 inches between 16h. and 18h. A record of ·25 inch between 10h. 55m. and 11h. has also been received for this day from Kells (Headfort) in Co. Meath.

Although *July* was an unusually wet month the entries of intense falls were fewer than usual and confined to the 7th, 8th, 9th and 28th. Those for the 7th occurred at places in the south-east of England *viz.* Theydon Bois, Ware, Brampton (near Huntingdon) and Grimston (near Sandringham). At Ware the heavy rain commenced at 6h. 30m., at Brampton at 15h. and at Grimston at 16h. 55m. The heavy rain recorded at Sandy Lodge, Northwood is also worthy of mention although the details are considered to be insufficiently complete to warrant inclusion in the table. Mr. H. Langford Lewis, a rainfall observer of many years standing, writes:—"On Tuesday afternoon, July 7th, an extraordinary rainstorm occurred here. I was away in London at the time and had no opportunity of examining the

gauge, until next morning, when I measured 3·09 inches. I am informed that practically the whole of this rain fell in about half-an-hour, between 15h. 5m. and 15h. 35m. Thunder and lightning accompanied the rain but were not at all severe compared with the rain. The storm was apparently moving in a north-westerly direction, for a party which reached Sandy Golf Club at 15h. just before it began, reported that their train had passed through a heavy storm at Kenton and parts of the golf links were under water. Here, within a few minutes after the rain suddenly commenced, torrents of water rushed down a gravel slope and through the back door flooding the kitchen. At Sandy Lodge the total was only 1·40 inches." The measurement of ·76 inch at Austerfield between 17h. 15m. and 17h. 45m., made by the manager to the Doncaster and Tickhill Joint Water Board, is also worthy of mention. The entry of 1·82 inches between 12h. 45m. and 14h. 15m. at Abbeyfeale in Co. Limerick is the only one for any station in Ireland. Entries are given for July 9th at Swallow-beck, near Lincoln, and Sutton Bonington but heavy rain also occurred at Eastbourne, where there was continuous heavy rain from 6h. 50m. to 8h. 10m. associated with a thunderstorm.

Lt. Col. J. A. C. Whitaker sends the following comments :—

" Details are given in *British Rainfall*, 1935, pp. 62–64 of a cloud-burst which occurred at Auchnafree, Perthshire early on 24th June when I estimated that nearly 9 inches of rain must have fallen in Coire Breac some 2 miles north of Auchnafree. A very similar storm occurred on 17th July, 1936, but since it happened in the afternoon more definite facts as to it are available, though I was not myself at Auchnafree at the time. In 1936 the storm was much more local, there being but little rain either 4 miles to the west or 1 mile to the east of Auchnafree, where a total of 2·93 inches was registered for the day. At the same time the rainfall seems to have been more intense, nearly the whole fall occurring in under an hour, the fall for the remainder of the day being in the nature of drizzle totalling probably not more than ·10 of an inch. As before, Auchnafree seems to have been on the outskirts of the storm which appears to have passed from south to north some 2 miles west of the house, and which seems to have comprised a number of actual cloudbursts in which several inches of rain must have fallen in a very short space of time. Neither the river Almond nor the river Shervie were quite as high as in 1935, owing presumably to the narrow path of the storm and to the cloudbursts not occurring coincidentally on both sides of the Almond. On the other hand Coire Breac, Stuck Chapel and Coire Bhealaic Burns were much higher, and the water seems to have come down them in the form of a wave, it being very noticeable in both the Almond and the Shervie that at bends the water never flattened out equally on both sides as it did last year. The shepherds and others after last year's flood took far greater interest in the storm and some actual

quotations may give a better description than an edited narrative. 'The storm came up from the south and about 15h. I saw a solid round cloud come over the hill and suddenly split just as if a shot had been fired into it. The hill opposite looked just as if there had been a fall of snow but it was the water running down off the rocks everywhere in waterfalls. There was not much thunder, just one streak of forked lightning hit the hill as the round cloud split. The Larichfraskan Burn came down like a sea, but had gone back before I heard a roar of rocks going down the Shervie and guessed there had been a burst away to the north. It was not raining then. We ran down to the bridge to see it and then the rain came down on us and we ran back, this being just after 16h.' 'I was down at the Shervie bridge looking at the burn which was just bank high. Then I saw a wave coming down and it was up to my knees before I could get to the fence (15 yards). In 10 minutes it had gone back again.' 'I was going down to Larichfraskan when I saw what looked like a twisted rope between the burn and a round cloud. It swirled about and went away across the Almond to the north. I watched the Larichfraskan Burn and it was a mixture of rocks, mud and water. The flood all went down it in 10 minutes or so and often in the space of a few seconds the Burn fell 2 feet or so and then rose again, presumably as the result of landslides. As I went back to Auchnafree the Almond started rising but was not over the floor of the bridge for nearly an hour when it came like a wave.' The burns on the north side of the Shervie only rose a few inches but measurements which I took show that at the time of maximum flow off, 2,200 tons a minute were running from Coire Breac (550 acres), and 4,000 from Coire Bhealaic (1,000 acres). In the former corry a bridge was washed off a rock which is 7 feet above the bed of the burn at a place only half a mile from its source."

At Strachur Park, to the south of Inveraray, there was a heavy fall on the 28th. About 13h. 30m. dark clouds covered the sky and within the space of half an hour the surrounding district was white with large hail which lasted two hours. The sun shone on the hail giving the effect of winter. At 15h. the rainfall amounted to 1·90 inches and crops were levelled to the ground. The fall of ·60 inch in half-an-hour recorded at Holne on Dartmoor on the 28th is also worthy of mention.

There are eight entries for *August* and these are confined to the 9th, 10th and 15th. The Medical Officer of Health at South Shields reports that heavy rain occurred on the 9th in two showers, from 13h. 10m. to 13h. 35m. and 14h. 20m. to 14h. 30m., the fall being ·89 inch. It is estimated that of that quantity ·75 inch fell between 13h. 10m. and 13h. 35m. Of the five entries for the 10th two were "remarkable" and three "very rare". The intense rains caused severe flooding in the Ashtead to Leatherhead and Coulsdon to Croydon

Table XIV.—*Rainfalls of Very Rare Intensity lasting for One Hour or less.*

Year.	Date.	Div.	Station.	Amount.	Duration	Rate per Hour
				in.	H. M.	in.
1893	Aug. 10	VIII	Preston, Corporation Offices....	1·25?	0 5?	15·00?
1914	Aug. 14	XI	Guernsey, St. Martin's Road...	1·50	0 15	6·00
1875	Aug. 7	II	Canterbury, Harbledown.....	2·12	0 20	6·36
1932	Aug. 20	VI	Malvern, Free Library.....	1·86	0 20	5·58
1878	June 23	I	St. Pancras, Camden Square...	1·82	0 20	5·46
1897	June 24	III	Luton Pumping Station.....	1·65	0 20	4·95
1920	May 29	VIII	Leyland, Worden Hall.....	1·65	0 20	4·95
1933	June 24	II	Silchester House	2·50	0 25	6·00
1934	July 18	VI	Stratford-on-Avon, Milcote.....	2·25	0 25	5·40
1878	June 23	I	St. Pancras, Camden Square...	2·30	0 28	4·93
1936	June 29	VI	Clifton, Oakfield Road.....	1·95	0 30	3·50
1880	July 22	XI	Cowbridge, Ash Hall.....	2·90	0 30	5·80
1915	July 4	XI	Abergavenny, The Chain.....	2·20	0 30	4·40
1933	July 21	II	Chatham, Woolman's Wood ...	2·13	0 30	4·26
1918	July 17	I	Shad Thames Pumping Station.	2·07	0 30	4·14
1895	June 27	IX	Middleton-in-the-Wolds	2·00	0 30	4·00
1902	Sept. 10	II	Surbiton, Vronvelin.....	2·00	0 30	4·00
1931	June 14	VI	Cannock Sewage Works.....	2·35	0 38	3·71
1936	June 29	VI	Bristol (Tyndalls Park)	2·00	0 40	3·00
1920	May 25	IV	Hatfield, Broad Oak, Barrington	2·79	0 45	3·72
1933	June 21	V	Temple Combe Rectory	2·75	0 45	3·67
1904	July 27	II	Cooling, Broomy Farm.....	2·66	0 45	3·55
1909	Sept. 29	V	Ilfracombe Reservoir.....	2·50?	0 45	3·33?
1936	May 6	III	Dunstable (Cement Works)	2·08	0 45	2·77
1895	June 26	V	Marlborough	2·71	0 50	3·25
1915	June 30	IV	Mildenhall	2·63	0 50	3·16
1903	July 18	VI	Crewe, Betley Hall	2·53	0 50	3·04
1905	July 9	III	Enfield, Carisbrooke.....	2·44	0 50	2·93
1911	May 31	II	Epsom, Ashley Road.....	2·44	0 50	2·93
1901	July 29	II	Wadhurst, Lower Cousley Wood	3·25?	0 55	3·55?
1913	June 17	IV	Elvedon Hall.....	2·85	0 58	2·95
1901	July 12	II	Maidenhead, Lowood.....	3·63	1 0?	3·63?
1903	May 30	II	Beddington Corner.....	3·50	1 0	3·50
1911	May 26	II	Fareham, The Mount.....	3·00	1 0	3·00
1936	Aug. 10	II	Leatherhead, Windfield	2·68	1 0	2·68
1897	July 21	IV	Ipswich, Bishops Hill.....	2·95	1 0	2·95
1932	July 11	VII	Cranwell Aerodrome.....	2·93	1 0	2·93
1895	June 26	VI	Worcester, Diglis Lock.....	2·75	1 0	2·75
1934	July 13	XI	Wrexham, W.W. Office	2·75	1 0	2·75
1909	June 1	XII	Carsphairn, Shiel.....	2·71	1 0?	2·71?
1936	June 29	V	Bodmin, Castle Hill House	2·98	1 0	2·98
1873	July 28	XVII	Fettercairn.....	2·60	1 0	2·60
1889	June 7	II	Tonbridge, Ferndale.....	2·60?	1 0?	2·60?
1886	July 25	VIII	Sale, Brooklands.....	2·58	1 0	2·58
1899	July 22	V	Dorchester Water Works.....	2·56	1 0?	2·56?
1875	July 22	V	Trowbridge, Sunnyside.....	2·53	1 0	2·53
1875	June 29	III	Cardington.....	2·50	1 0	2·50
1886	July 25	IX	Wakefield, Stanley Vicarage...	2·50	1 0	2·50
1935	June 25	V	Melksham, Beechfield.....	2·50	1 0	2·50

Table XV.—*Heavy Falls in Short Periods in* 1936.

County and River Division.	Station.	Date.	Amount.	Duration.	Rate per Hour.
	(a) EYE OBSERVATIONS		in.	min.	in.
Stirling 3	Bridge of Allan (Langlands)..	Sept. 4	·65	5	7·80
Sussex 4	Haywards Heath (Lewes Rd.)	Sept. 5	·61	9	4·07
Essex.....2	Theydon Bois (The Vicarage)	July 7	·55	10	3·30
S. Lancs.....3	Eccles (Cavendish Road)	Sept. 3	·88	12	4·44
Banff 3	Ballindalloch	Sept. 4	·77	17	2·72
Somerset ...1	Shepton Mallet (Pondsmead).	May 18	1·10	20	3·30*
Monmouth ..2	Blackwood	June 29	1·00	20	3·00
Yorks., N.R. 4	Pickering (Hungate Hall) ...	Aug. 15	·70	20	2·10
Glamorgan ..5	Barry (Porth-y-Castell)	June 30	·75	21	2·14
Sussex 7	Rotherfield (Horsegrove Farm)	May 17	1·08	25	2·59
Kent 4	Lenham	June 21	1·00	25	2·40
Cheshire 1	Knutsford (Hazelfield)	June 21	·88	25	2·09
Durham 3	South Shields (Bent's Park)..	Aug. 9	·75	25	1·80
Cornwall ...3	Launceston (Pendruccombe) .	June 21	·75	27	1·67
Glos. 5	Clifton (Oakfield Road)	June 29	1·95	30	3·50‡
Surrey 6	Shere (Manor House)	May 17	1·25	30	2·50*
Bucks. 5	Buckingham (Market Hill)...	May 6	1·01	30	2·02
Somerset ...4	Stogursey (Fairfield House)..	June 19	1·00	30	2·00
Brecon 7	Crickhowell (Dan-y-Parc) ...	June 20	·91	30	1·82
Cambs. 2	Stretham Engine	June 20	·80	30	1·60
Sussex 4	West Hoathly (Stonelands)..	May 17	1·83	34	3·59*
S. Devon....2	Mary-Tavy (Blackdown)	June 24	·84	35	1·44
Sussex 4	West Hoathly (Stonelands)..	June 29	·92	38	1·45
Sussex 8	Worth Priory	May 17	1·89	40	2·83*
Bedford.....2	Dunstable (Cement Works)..	May 6	2·08	45	2·77‡
Wiltshire....3	Woodford Vicarage	June 18	·92	50	1·10
Cornwall ...1	Bodmin (Castle Hill House)..	June 29	2·98	60	2·98‡
Surrey 5	Leatherhead (Windfield)	Aug. 10	2·68	60	2·68‡
Surrey 4	Coulsdon (Netherne Mental Hospital)	Aug. 10	2·20	60	2·20*
Sussex 7	Forest Row (Charlwood Farm)	May 17	2·10	60	2·10*
Norfolk 4	Grimston (School House) ...	July 7	2·07	60	2·07*
Staffs. 3	Lichfield (Hanch Reservoir)...	June 21	1·50	60	1·50*
Cheshire 2	Wirswall Hall	Sept. 3	1·48	60	1·48
Herts. 3	Ware (Grammar School)	July 7	1·47	60	1·47
Sussex 5	Horam (Coxlow)	June 19	1·25	60	1·25
Salop 4	Shifnal (National Schools) ..	June 21	1·25	60	1·25
Lincs. 3	Lincoln (Swallowbeck)	July 9	1·25	60	1·25
Moray 4	Elgin (The Bield)	Aug. 15	1·25	60	1·25
Wiltshire....1	Trowbridge (Town Hall)	June 29	1·02	60	1·02
Kent 3	Teynham (New Gardens) ...	June 21	·99	60	·99
S. Devon....6	Exeter (Countess Wear)	June 29	1·67	70	1·43*
Berks. 3	Wokingham (Frog Hall)	May 17	2·00	75	1·60*
Yorks., E.R..2	Ganton (Ganton Hall)	June 21	2·00	75	1·60*
Glos. 5	Bristol (Hopewell Hill).....	June 29	1·47	75	1·18
Hunts.....1	Brampton School	July 7	1·17	75	·94
Essex.....2	Rainham (Riverside Sewage Works)	May 6	2·34	80	1·76*
Derby 4	Hognaston Vicarage	June 25	2·33	90	1·55*
Argyll.....11	Strachur Park	July 28	1·90	90	1·27*
Limerick ...2	Abbeyfeale (The Presbytery)..	July 8	1·82	90	1·21*
Herts. 2	Hemel Hempstead (Northridge)	Sept. 20	2·49	114	1·31*
Oxon. 4	Goring	Aug. 10	2·88	120	1·44‡
Leics.....4	Market Bosworth (Sen. School)	June 21	2·47	120	1·23*
Cornwall ...1	Kilkhampton	June 30	2·00	120	1·00*

* "Remarkable" fall. ‡ "Very Rare" fall.

Table XV.—*Heavy Falls in Short Periods in* 1936—(*con.*).

County and River Division.	Station.	Date.	Amount.	Duration.	Rate per Hour.
	(a) EYE OBSERVATIONS—(*con.*)		in.	min.	in.
Essex.....2	Corringham (Pembroke Aven.)	June 21	1·87	120	·93*
Staffs. 3	Yarlet Hall.....	June 21	1·36	120	·68
	(b) AUTOGRAPHIC RECORDS				
Argyll 14	Tiree	Sept. 6	·70	20	2·10
Herts. 2	Harpenden (Rothamsted) ...	June 21	1·50	30	3·00*
Suffolk 5	Mildenhall (Aerodrome)	Sept. 5	1·06	30	2·12
Herts. 2	Harpenden (Rothamsted) ...	June 21	·90	30	1·80
Glos. 5	Bristol (Tyndalls Park)	June 29	2·00	40	3·00‡
Hampshire ..8	South Farnborough (R.A.E.).	June 20	·94	48	1·18
Notts. 2	Sutton Bonington (Agric. Coll.)	July 9	1·26	60	1·26
Glos. 5	Horfield	June 29	1·56	70	1·34*
Surrey 5	Leatherhead (Dunard Lodge).	Aug. 10	2·04	90	1·36*
C. Lancs.....2	Leyland (Worden Hall)	Aug. 10	1·97	95	1·25*
Glos. 5	*Horfield*	*June 29*	*1·64*	*120*	*·82*

* "Remarkable" fall. ‡ "Very Rare" fall.

districts. At Leatherhead (Windfield) 2·68 inches fell between 16h. 20m. and 17h. 20m., at Leatherhead (Dunard Lodge) 2·04 inches in 90 minutes and at Coulsdon (Netherne Hospital) 2·20 inches in one hour commencing at 17h. At Goring-on-Thames 2·88 inches fell in two hours commencing at 18h. 15m. At Leyland, to the south of Preston, 1·97 inch fell in 1 hour 35 mins., of which 1·50 inch fell between 18h. 15m. and 19h. 15m. The entries for the 15th are for Pickering and Elgin (The Bield).

The entries for *September* occurred on the 3rd, 4th, 5th, 6th and 20th. Those for the 3rd occurred at Eccles in S. Lancashire and Wirswall Hall in Cheshire. In the former case the intense rain commenced at 16h. 35m. Those for the 4th were at Bridge of Allan in Stirling and Ballindalloch in Banffshire. In the former case the intense rain commenced at 10h. 45m. At Haywards Heath as much as ·61 inch fell between 11h. 10m. and 11h. 19m. on the 5th, while at Mildenhall (Suffolk) 1·06 inch was recorded in half-an-hour. The remaining entries for the year were at Tiree on the 6th and Hemel Hempstead on the 20th, the latter entry ranking as "remarkable".

Table XVI.—*Number of Days on which specified amounts of Rain fell in specified times during* 1936.

County.	Place.	0·2 inch.				0·4 inch.				1 inch.			
		6 min. or less.	15 min. or less.	30 min. or less.	60 min. or less.	15 min. or less.	30 min. or less.	60 min. or less.	2 hours or less.	1 hour or less.	2 hours or less.	5 hours or less.	24 hours or less.
London	Camden Square	1	2	3	9	0	2	3	4	0	0	0	2
Surrey	Croydon	1	3	6	9	1	1	3	7	0	0	1	3
,, ...	Kew Observatory	1	3	4	9	0	0	0	2	0	0	1	1
Kent	Lympne	3	4	9	15	1	1	4	6	0	0	1	1
,, ...	Manston	3	3	5	9	2	2	2	3	0	1	1	1
Hants.	Calshot	1	2	5	9	0	2	2	4	0	0	0	2
,, ...	South Farnborough	2	4	7	12	2	3	3	7	0	0	0	4
Oxford	Upper Heyford	0	0	4	14	0	0	0	2	0	0	0	2
Suffolk	Mildenhall	1	5	7	13	1	3	3	5	1	2	2	2
Wilts.	Boscombe Down	2	6	8	16	1	1	1	2	0	1	1	1
Devon	Mount Batten†	2	3	4	7	1	2	2	3	0	0	0	2
Lincoln	Cranwell	0	4	7	12	0	0	2	3	0	0	0	1
Lancashire	Barton	1	3	6	14	0	2	4	5	0	0	0	1
,, ...	Southport	1	4	7	14	0	1	3	5	0	0	0	3
N.R. Yorks. ..	Catterick.....	2	5	7	9	0	2	3	4	0	0	0	3
Flint	Sealand	1	1	5	7	1	1	1	3	0	0	0	3
Anglesey	Holyhead	2	4	8	14	2	2	4	7	0	0	0	3
Dumfries.....	Eskdalemuir Observatory	3	4	6	16	2	2	3	7	0	0	2	11
Ayr	Kilmarnock	1	4	4	10	0	1	2	3	0	0	0	4
Renfrew	Renfrew (Abbotsinch)...	1	4	5	13	0	1	1	6	0	0	0	6
Fife	Leuchars	1	2	4	6	1	1	2	3	0	0	2	4
Aberdeen	Aberdeen Observatory ..	1	3	5	8	1	1	1	2	0	0	0	1
,, ...	Balmoral Castle	0	0	2	4	0	0	1	2	0	0	0	1
Shetland	Lerwick.....	0	1	1	5	0	0	0	0	0	0	0	1
Co. Kerry	Valentia Observatory ...	0	2	5	12	0	0	0	5	0	0	1	9
Co. Armagh ...	Armagh.....	3	6	8	10	1	1	3	6	0	0	1	1
Co. Antrim ...	Aldergrove	2	5	6	14	0	2	4	4	0	1	1	2

The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first three columns under each of the headings 0·2, 0·4 and 1 inch naturally recurs in the column or columns to the right. † Records commenced March, 1936.

7. HEAVY FALLS ON RAINFALL DAYS IN 1936.

The daily measurements of rain which are set out in this Section are (*a*) those of falls of 2·5 inches or more in the rainfall day, and (*b*) those of falls which amount to at least 7·5 per cent. of the total recorded for the year 1936. A fall of $2\frac{1}{2}$ inches in a day at any station is sufficiently remarkable to be noticed, but as such heavy falls are more frequent in the normally wet areas of mountain districts than elsewhere, the criterion of $7\frac{1}{2}$ per cent. was introduced to admit certain falls of less than $2\frac{1}{2}$ inches in areas where the total rainfall for the year is less than 33·3 inches. In this way daily falls which are heavy in relation to the local standard are not neglected.

A summary of the information given in this section in each of the seventy volumes of *British Rainfall* from 1865 to 1934 was set out in an article in Part IV of *British Rainfall*, 1934. A complete list of the absolute maximum daily rainfall and the absolute maximum daily percentage reported for each year from 1865 to 1934 was also given in this special article.

The corresponding values for 1935 and 1936 are given below.

Table XVII.—*Maximum Daily Fall and Maximum Percentage.*

Year.	ABSOLUTE HIGHEST RAINFALL.				ABSOLUTE HIGHEST PERCENTAGE.				Year.
	Depth.	Per cent.	Station.	Div.	Per cent.	Depth.	Station.	Div.	
	in.					in.			
1935..	6·16	5·7	New Dungeon Ghyll	x	12·2	4·83	Batheaston Reservoir	v	1935
1936..	5·80	—	Glen Shiel	xviii	12·8	3·97	St. Albans (Oaklands Inst.)	iii	1936

The maximum daily amount for 1936 of 5·80 inches and the maximum percentage for 1936, *viz.*, 12·8 are not remarkable, since larger entries have occurred in many recent years.

Particulars of the fourteen largest falls of the year 1936 are given in Table XVIII. The table shows also the year's total at each of the stations (where this is available) and the percentage of that total which is accounted for by the highest daily fall. There were 20 falls exceeding 4·00 inches and 11 falls reaching or exceeding 4·50 inches. The total number of falls exceeding 2·50 inches was 272 and exceeding 3·00 inches 119.

Table XVIII.—*The largest Daily Rainfalls in* 1936.

Date.	Div.	Station.	Depth.	Per cent. of Year.	Total for Year.
			in.	%	in.
Dec. 19	XVIII	Glen Shiel.....	5·80	—	—
Dec. 19	XV	Glenleven (Blackwater Dam, S.)..	5·40	6·5	83·28
Dec. 13	XI	Snowdon (Llydaw Intake).....	5·30	3·4	157·81
Oct. 24	X	Watendlath Farm	5·30	5·6	93·99
Dec. 19	XVIII	Fort William (Glasdrum).....	5·01	7·5	66·58
Dec. 19	XVIII	Loch Arkaig (Achnacarry).....	4·87	8·0	60·79
Dec. 19	XVIII	Glenleven (Blackwater Dam, N.)..	4·74	5·5	86·06
Dec. 13	XI	Trecastle (Blaenau-hydfer)	4·60	6·7	68·56
Oct. 24	X	Borrowdale (The Moraine).....	4·57	4·3	105·79
Dec. 19	XVI	Glengyle	4·50	5·3	85·25
Dec. 19	XVIII	Loch Quoich (Glenquoich)	4·50	5·3	84·20
Dec. 19	XVIII	Glenmoriston (Ceannacroc)	4·48	8·2	54·67
Dec. 19	XVIII	Glenmoriston (Cluanie Lodge)....	4·42	6·9	63·73
June 21	III	St. Albans (Townsend Dr.).....	4·41	—	—

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type ; other falls are in *italics*.

CHRONICLE.

The amounts in this section cover the 24 hours commencing at 9 a.m. G.M.T. on the day of entry.

As in 1935 there were only a few entries in *January* qualifying for inclusion in this Section. The seven days January 4th to 10th were unusually wet in the English Lake District, the totals at Borrowdale (The Moraine) and Watendlath Farm amounting to 8·37 and 7·67 inches respectively.

Considerable flooding occurred in West Dorset towards the end of the month but the amounts reported were only of the order of one inch for the 28th.

January 4th

Cumberland.—Borrowdale (The Moraine) .....*2·60 in.* or *2·5* per cent.

January 9th

Cumberland.	*in.*	or %
Watendlath Farm.....	*3·20*	*3·4*
Thirlmere (Dale Hd. Hall).	3·44	3·6
Westmorland.		
Hawes Water (Burn Banks)	*2·81*	*3·9*

Kirkcudbright.	*in.*	or %
Dalry (Forrest Lodge)....	*3·34*	*4·3*
Carsphairn (Shiel).....	2·81	3·9
Carsphairn Moor.....	2·57	3·7

January 20th

Nairn.	*in.* or %		*Nairn.*	*in.* or %	
Drynachan Lodge.....	2·50	5·7	Cawdor Castle	3·18	10·0

For *February* a few entries are included for stations in the south-west of England and at Cork, where February 10th was the wettest day of the year.

February 10th

Devonshire.	*in.* or %		*Cornwall.*	*in.* or %	
Dartmoor (Strane Valley) .	2·78	3·8	Wendron (Ninemaidens) ..	2·60	4·3
Cornwall.			Tresco Abbey	2·70	6·7
Crowan (Boswyn Res.)....	3·08	5·7	*Cork.*		
Lelant	2·51	5·1	Cork (University College)..	2·50	6·2

February 18th

Devonshire.	*in.* or %		*Devonshire.*	*in.* or %	
Dartmoor (Swincombe) ...	2·60	3·7	Bovey T. (Hedgebarton) ..	2·55	4·0

The rain of the 18th is of special interest because of the rapid manner in which it spread in with low cloud from the south-west. On the weather chart for 18h. on the 18th there was little to indicate the approach of the small secondary in maritime polar air which was associated with this rain.

For *March* and *April* there is only one entry, *viz.*, March 29th for Snowdon. The total for this day fell short of that for December 13th, when the total there was 5·30 inches.

March 29th

Carnarvon.—Snowdon (Llydaw Intake) .....(*3·70*) *in.* or (*2·3*) per cent.

The period *May* 4th to 6th was noteworthy for the large amount of North Sea cloud in eastern districts, which sometimes penetrated westward, and local fog. Thunderstorms occurred along the front of the occlusion on the 6th.

May 6th

Essex.—Rainham (Riverside Sew. Works).....2·34 *in.* or 10·1 per cent.

May 17th

Argyll.—Lochgilphead (Poltalloch) .....3·10 *in.* or 5·2 per cent.

It is of interest to note that this is the only fall qualifying for inclusion for any station in Scotland between the period January 20th to July 17th.

May 18th

Buckinghamshire.—Parslow's Hillocks .....2·73 *in.* or 8·2 per cent.

Thunderstorms broke out over central France on the 17th *June* and reached the south-east of England during the night. These storms, and those on the night of the 18th and on the 19th, were of the warm front type, although the warm front was not clearly defined. The thunderstorms on the 19th to 21st were widespread and severe. On the 21st the worst thunderstorms occurred along a belt extending to the north-west from London to Sealand. The distribution of maximum temperature supplies evidence of a slow-moving front. The main front, an occlusion acting as a cold front, arrived quickly on the late evening of the 21st. Such a long period of numerous severe day and night thunderstorms is rare. On June 14th—17th, 1920, there was a period of south-easterly storms, but temperature was lower and night storms much fewer. A really warm south-east current is usually soon displaced. In this instance the normal tendency was counteracted by a depression on the Atlantic which moved south-east and then north-east. The development and initial south-east movement was associated with a warm sector on the west side, which is abnormal with high temperatures over Europe. Once the centre arrived over the Bay of Biscay, the cold occlusion soon reached England.

June 3rd

Northumberland.	*in.*	or %	*Denbigh.*	*in.*	or %
Kirknewton (Coldburn) ..	2·75	6·8	R. Brenig (Hafod-yr-onen).	2·54	5·1

June 20th

Cardigan.—Aberayron (Ciliau Aeron) .....3·99 *in.* or 8·6 per cent.

June 21st

Kent.	*in.*	or %	*Essex.*	*in.*	or %
Higham Waterworks	2·40	8·6	Corringham (Pembroke A.)	1·87	8·8
Hertfordshire.			*Warwickshire.*		
Shenley Grange	2·45	7·9	Astley Vicarage.....	3·34	10·3
Colney H. (Tyttenhanger)..	3·29	10·9	Whitacre (Birmghm. W.W.)	2·47	8·5
St. Albans (Co. Mental H.)	3·58	10·1	Nuneaton(Bedworth W.W.)	4·00	11·5
St. Albans (Co. Museum)..	2·59	8·1			
St. Albans (Oaklands I.) ..	3·97	12·8			
St. Albans (Townsend Dr.)	4·41	..	*Leicestershire.*		
St. Albans (Gorhambury)..	2·50	7·1	Netherseal (Chilcote)	2·20	8·4
Harpenden (Rothamsted)	3·15	10·4			
Bedfordshire.			*Merioneth.*		
Potton (Sewage Works) ..	1·99	7·8	Towyn (Peniarth)	2·57	4·3

Some further details of the intense rains of June 21st are given in Section 6. In the case of the storm to the north of London falls of more than one inch occurred over a large area stretching from Gravesend to Market Harborough, but there was only ·1 inch at stations as near as Oxford, Reading and Banbury on the west and near Chelmsford on the east. Falls of more than two inches were confined

to a small area from Barnet to just north of Harpenden, while there was as much as 4 inches to the north of St. Albans.

The fall of 4·00 inches for this day at Nuneaton was due to two thunderstorms which occurred between 13h. 15m. and 15h. 30m. and also between 17h. 30m. and 21h. The total was as much as 11·5 per cent. of that for the whole year.

June 22nd

Lancashire.	*in.*	or %	*Lancashire.*	*in.*	or %
Oldham (Brushes Clough) ..	2·69	5·4	Garstang (Barnacre Res.) .	2·63	5·5
New Hey (Sewage Works)	2·87	6·2			

June 25th

Derbyshire.—Hognaston Vicarage.....2·60 *in.* or 6·8 per cent.

June 29th

Norfolk.	*in.*	or %	*Gloucestershire.*	*in.*	or %
Hindolveston (Sch. Ho.) ..	2·70	8·2	Bristol (Tyndalls Park) ...	2·61	6·9
Wiltshire.			*Merioneth.*		
Heytesbury	2·85	7·4	Pandyrddrwyryd (Main D.)	2·50	3·3
Cornwall.			Blaenau (Llechwedd Q.) ..	2·50	2·4
Bodmin (Castle Hill Ho.)..	3·12	5·8			
Gloucestershire.			*Fermanagh.*		
Harescombe Grange	3·14	9·6	Florencecourt.....	3·20	6·0

Details of the intense rains at Bristol and Bodmin on June 29th are given in Section 6. At Bodmin the total for the four days June 29th to July 2nd amounted to 5·73 inches. At Florencecourt, in Co. Fermanagh, the fall of 3·20 inches is reported to have occurred in 3 hours.

Entries are included in this Section for nine days during *July* but these are not especially remarkable.

July 1st

Devonshire.	*in.*	or %	*Devonshire.*	*in.*	or %
Parkham (Melbury Moor) .	2·66	5·1	Hartland (Fosfelle)	2·52	5·4
Parkham (Melbury Res.) ..	2·67	4·7			

July 7th

Hertfordshire.	*in.*	or %	*Lincolnshire.*	*in.*	or %
Northwood (Sandy Lodge)	3·09	9·6	Wroot (S. Level P.S.)	2·34	8·0
Norfolk.			Crowle (Snowdrop Villa) ..	2·10	8·2
Gayton Waterworks	2·76	9·2	*Nottinghamshire.*		
Grimston (School House)..	2·64	8·4	Nottingham (Colwick Res.)	2·15	8·4
			Misterton (Soss P.S.)	1·88	7·6

At Evesham the heaviest part of the fall on July 7th occurred from 17h. 15m. to 20h. 10m. when 1·01 inch was recorded. It was

estimated that ·80 inch fell between 17h. 20m. and 18h. As a result of the intense rain the streets there were badly flooded.

July 9th

Sussex.—Eastbourne (Arundel Road) .....3·00 *in.* or 9·1 per cent.

July 17th

Kirkcudbright.—Dalry (Forrest Lodge).....3·44 *in.* or 4·4 per cent.

July 18th

Perth.—Glen Almond (Auchnafree) .....2·93 *in.* or 4·7 per cent.

Some details on the heavy rain in Glen Almond are given in Section 6.

July 19th

Denbigh.—Llangollen (Vivod) .....2·55 *in.* or 5·7 per cent.

July 23rd

Westmorland.	*in.*	or %	*Argyll.*	*in.*	or %
New Dungeon Ghyll Hotel	*2·67*	*2·8*	Loch Eck (Ben More)	2·51	3·0
Kendal (Potter Fell).....	2·97	3·8	*Down.*		
			Mourne Mts. (Fofanny R.)	2·56	3·5

July 24th

Kirkcudbright.—Dalry (Forrest Lodge).....*2·86 in.* or *3·6* per cent.

July 28th

Midlothian.—Moorfoot Hills (Gladhouse Res.) .....2·56 *in.* or 6·4 per cent.

The dry month *August* gave entries for the 10th and 14th only.

August 10th

Surrey.	*in.*	or %	*Berkshire.*	*in.*	or %
Fetcham W.W.	2·63	7·7	Moulsford (Old Vicarage)..	2·42	8·2
Leatherhead (Windfield) ..	2·79	8·4	*Oxfordshire.*		
			Goring.....	2·96	8·7

August 14th

Carnarvon.—Snowdon (Llydaw Intake) .....*3·40 in.* or *2·2* per cent.

There are entries for five days during *September* but again these are not remarkable.

September 3rd

Westmorland.—Levens (Beathwaite).....2·94 *in.* or 5·9 per cent.

September 4th

Ross and Cromarty.—Poolewe (Inverewe Gardens).....3·60 *in.* or 8·1 per cent.

September 7th

Westmorland.	*in.*	or %	*Westmorland.*	*in.*	or %
New Dungeon Ghyll Hotel	*2·74*	*2·9*	Kentmere Head Reservoir	*2·51*	*2·3*

September 14th

Nottinghamshire.	*in.*	or %	*Durham:*	*in.*	or %
Attenborough.....	2·25	9·3	Stockton-on-Tees (Hartburn Lo.).....	2·40	7·7
Yorkshire.					
E. Harlsey (Harlsey H.)...	3·10	9·3	Stockton-on-Tees (R. Pk.).	2·29	8·3

September 20th

Hertfordshire.	*in.*	or %	*Cambridgeshire.*	*in.*	or %
Berkhamsted (Rossway) ..	3·30	9·1	Cottenham (Bernard Ho.)..	2·19	7·6
Berkhamsted (Anglefield)..	3·13	8·7			
Berkhamsted (Amersfoot)..	3·26	8·9	*Essex.*		
Barley (Dalnyveed).....	2·16	7·9	B. Stortford (Hassobury)..	2·36	8·2

At Berkhamsted (Anglefield) the fall of 3·13 inches occurred between 23h. on the 20th and 7h. on the 21st, and was the largest daily amount recorded there since the record commenced in 1910.

With *October* the entries are for orographical rains rather than instability rains which are more common in the summer months.

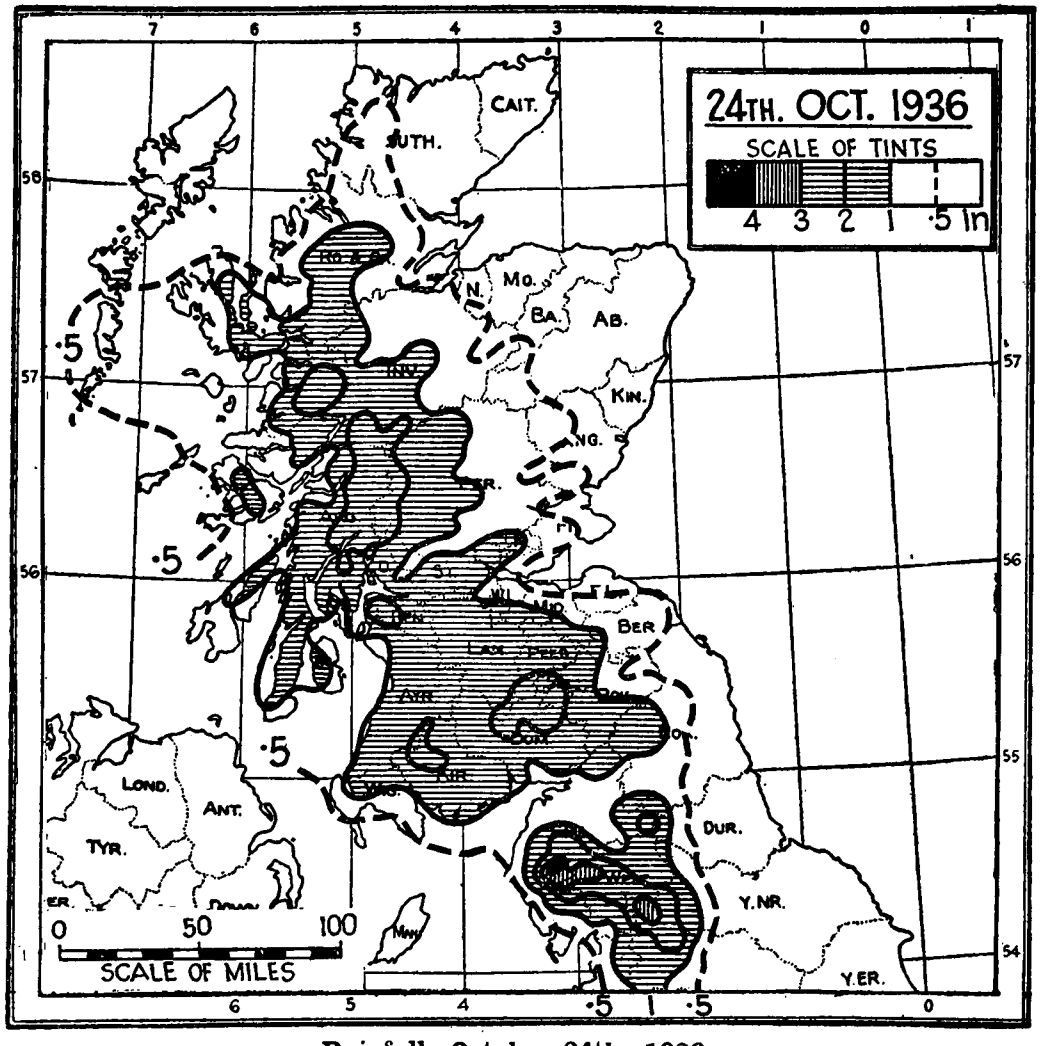
October 16th

Argyll.	*in.*	or %	*Inverness.*	*in.*	or %
Ardgour House	*2·60*	*3·1*	Loch Q. (Kinlochquoich) ..	*4·10*	*4·4*
Glenleven (Bl. Dam, S.)...	*2·58*	*3·1*	Loch Quoich (Glenquoich)	*3·01*	*3·6*
Strachur (Glenbranter)....	*2·55*	*3·2*	Glenleven (Bl. Dam, N.)..	*2·66*	*3·1*
Glencoe (Guithas Cottage).	2·64	3·3	Fort William (Teviot).....	*2·64*	*4·1*
			Fort William (Glasdrum)..	*2·61*	*3·9*
Perth.			*Ross and Cromarty.*		
Tyndrum Manse	3·07	3·9	Glen Shiel	*3·46*	..

October 24th

Lancashire.	*in.*	or %	*Westmorland.*	*in.*	or %
Ambleside (Skelwith F.) ..	2·75	3·6	Grasmere (The Wray).....	3·68	4·0
Yorkshire.			Grasmere (Huntingstile) ..	*3·19*	*3·6*
Hawes Jct. (Moorland C.) .	3·64	5·1	Kentmere Head Reservoir.	*2·90*	*2·7*
Durham.			*Kirkcudbright.*		
Burnhope Bridge	2·95	5·0	Clatteringshaws (Intake) ..	3·35	4·9
Cumberland.			Craigencallie.....	2·95	3·5
Ullswater (Hallsteads)	2·50	4·6	Dalry (Garroch).....	2·96	4·6
Borrowdale (The Moraine).	4·57	4·3	Dalry (Forrest Lodge)	*2·53*	*3·2*
Watendlath Farm.....	5·30	5·6	*Selkirk.*		
Thirlmere (Dale Head H.)	*2·62*	*2·8*	Ettrick Manse	2·64	4·9
Westmorland.			*Renfrew.*		
Hawes Water (Burn Bks.).	*3·38*	*4·6*	Kilbarchan (Glentyan) ...	2·60	4·6
Patterdale Hall.....	3·41	3·7	*Argyll.*		
Ambleside (White Craggs)	2·50	3·5	Inveraray Castle Gardens .	2·60	3·1
Ambleside (Market Sq.) ..	2·54	3·3	Strachur (Glenbranter) ...	*2·50*	*3·1*
Rydal (Stepping Stones) ..	2·84	3·7	Glencroe (Guithas Cottage)	*2·51*	*2·9*
Rydal (High Close)	*2·90*	*3·5*	*Inverness.*		
Rydal (The Hall).....	3·27	3·9	Loch Q. (Kinlochquoich)..	*3.00*	*3·2*
New Dungeon Ghyll Hotel	*3·10*	*3·2*	Loch Quoich (Glenquoich)	*2·78*	*3·3*

October 24th gave the first widespread heavy rain of the year. Falls of more than one inch were recorded in parts of south Wales, north Wales, much of the north-west of England and the western half of Scotland. There was, however, little rain in the eastern half of England and in the extreme east of Scotland. A number of stations in the English Lake District, the Southern Uplands and the Western Highlands recorded more than 2 inches. Many stations in Argyll



Rainfall, October 24th, 1936.

and Inverness-shire gave heavy falls on both the 16th and 24th. At Loch Quoich (Kinlochquoich) the total for the 12 days October 15th to 26th amounted to 14·59 inches and for the 24 days October 15th to November 7th as much as 21·07 inches. The heavy rain of the 24th was associated with a deepening depression, which was to the west of Ireland at 7h. on the 24th and moved rapidly east, giving strong winds in exposed places in the north-west of the British Isles.

At Watendlath Farm, to the south of Keswick as much as 5·30

inches was recorded. The heavy rain commenced at 11h. 30m. and ended at about 21h. 30m. The streams rose in flood very rapidly and sheep were surrounded by water after only two hours of rain.

There are only three entries for *November* and one for the first twelve days of *December*, and these call for little comment.

November 7th

Cumberland.—Borrowdale (The Moraine) .....*2·80 in.* or *2·7* per cent.

As much as 2·35 inches was recorded for the 7th at Belleek (Heronshaw) in Co. Fermanagh and the observer notes that this is the largest daily amount recorded there in records covering 57 years.

November 11th

Sussex.	*in.* or %		*Antrim.*	*in.* or %	
Petworth Park Gardens ..	2·53	6·8	Broughshane (Quolie).....	2·54	4·9

As a result of the heavy rain on the 11th serious flooding occurred in Co. Donegal. Glencolumbkille, Kilcar and Carrick are reported to have witnessed the worst flooding in living memory.

November 16th

Glamorgan.—Pontycymmer .....2·55 *in.* or 3·4 per cent.

December 7th

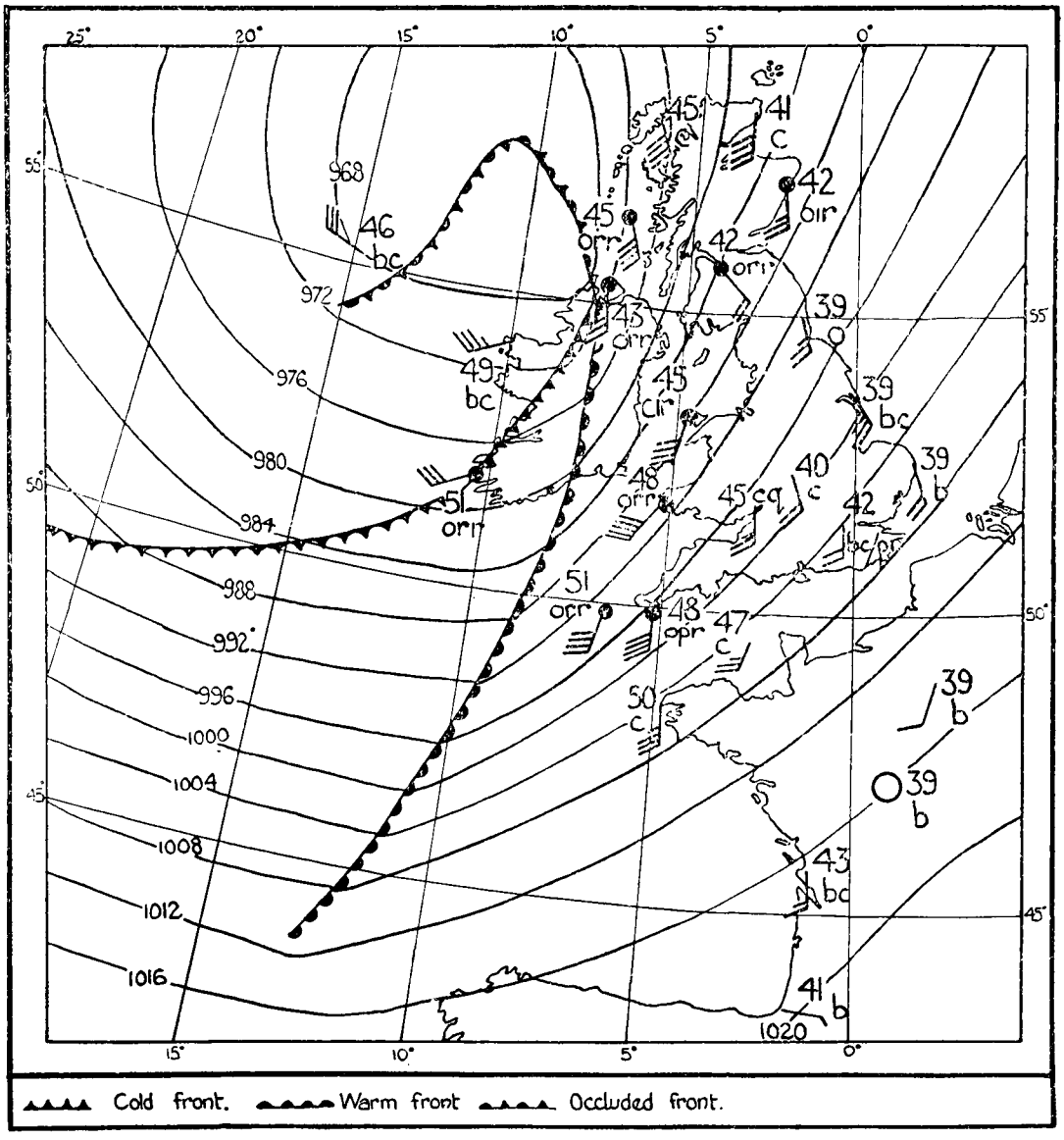
Inverness.—Loch Quoich (Kinlochquoich) .....*2·54 in.* or *2·7* per cent.

Numerous stations reported heavy falls on December 13th, 15th, 17th or 19th. There are more entries for December 13th than any other day during the year. During the 13th to 19th the British Isles came under the influence of a series of deep Atlantic depressions, which passed to the north of Scotland accompanied by widespread gales and considerable flooding. For the 13th rain was general over Great Britain and heavy in the mountainous districts of the west, for the 15th the amounts were generally smaller, for the 17th the heaviest falls occurred in the south-west of England and Wales and for the 19th the heaviest amounts were in the Western Highlands of Scotland. Maps are given showing the distribution of the rainfall of the 13th, 17th and 19th and diagrams showing the general meteorological situation at 18h. on the 13th and 7h. on the 14th. are also reproduced. The series of rainfall maps are remarkable in that the heavy rains occurred within the space of only a few days.

The records included an entry of 5·80 inches for the 19th at Glen Shiel in Ross-shire and of 5·30 for the 13th on Snowdon.

Early in the morning of the 13th a feeble wedge of high pressure was moving eastwards across eastern and southern England. Meanwhile, a deepening depression, secondary to one near Iceland,

was approaching the north-west of Ireland and west of Scotland, By early afternoon, strong southerly winds and gales had sprung up in Ireland and in the west of Scotland and of England, while it was raining in Ireland. By the evening of the 13th, strong winds and



Synoptic Chart, 13th December, 1936, 18h.

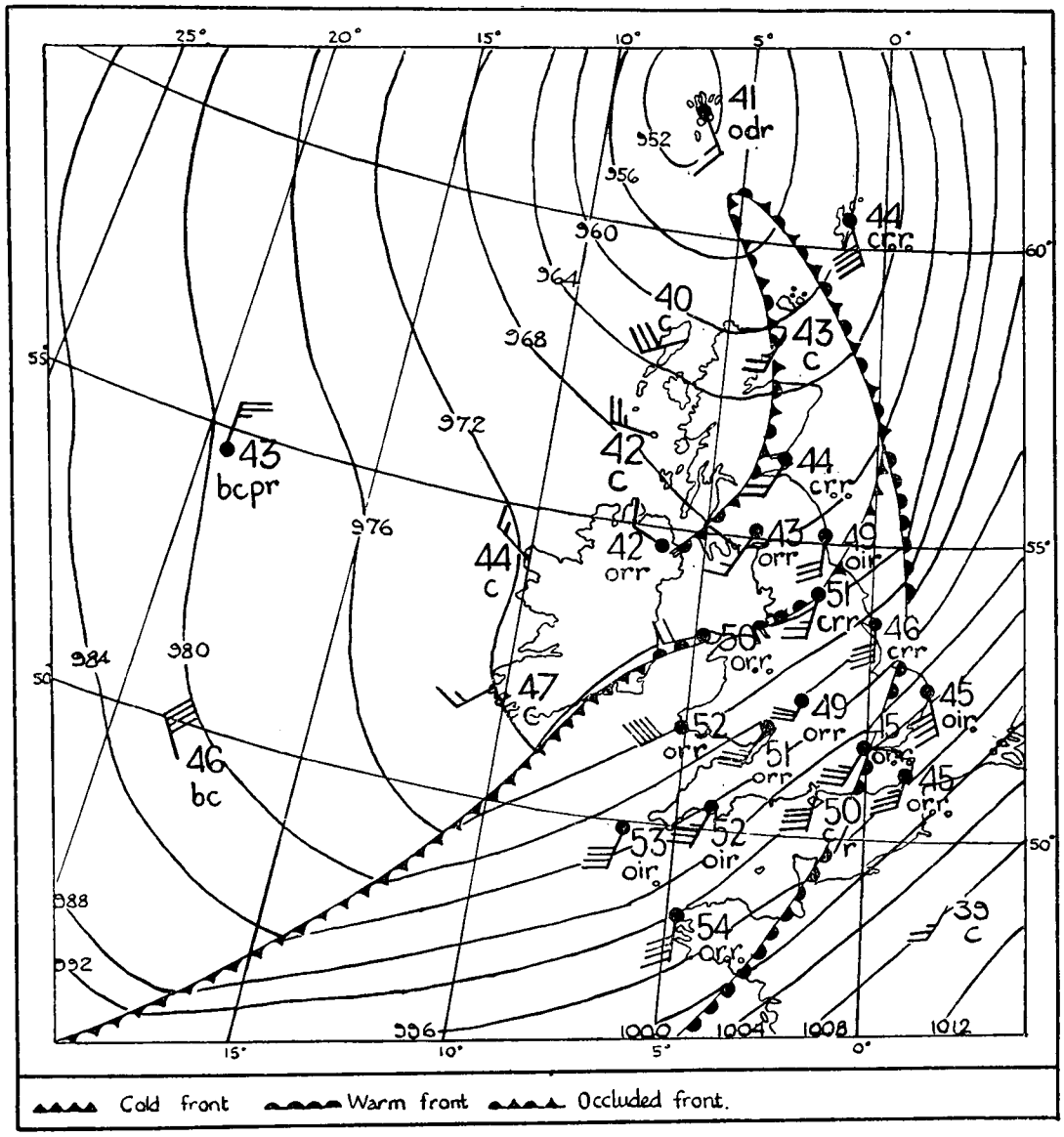
Barometer.—Isobars are drawn for intervals of 4 millibars, 1,000 millibars = 29·53 mercury-inches.

Wind.—Direction is shown by arrows flying with the wind. Force, on the scale 0 to 12, is indicated by the feathers :—one long feather indicates *two* steps in the Beaufort Scale, one short feather, *one* step.

Temperature is given in figures in degrees Fahrenheit.

Weather at the time of observation is indicated by letters which have the following meaning :—b, blue sky ; bc, sky partly clouded ; c, cloudy ; d, drizzle ; i, intermittent ; o, overcast sky ; p, showers ; q, squalls ; r, rain ; ro, slight rain ; rr, continuous rain ; roro, continuous slight rain.

gales, severe locally, were general over the whole of the British Isles, but it was not until late on the 13th and early on the 14th that rain reached Eastern England. Associated with this secondary depression was an eastward moving mass of relatively warm moist Atlantic air, and the rainfall was due to the forced elevation of this warm air over



Synoptic Chart, 14th December, 1936, 7h.

a mass of cold air which had previously been brought down over the country behind the depression near Iceland. The front, or line of discontinuity between these two different masses of air, arrived off the west coast of Ireland by noon of the 13th and reached eastern

England during the morning of the 14th. In consequence the largest amounts of rain were recorded in Ireland during the day time of the 13th and over England, Wales, and Scotland during the night of the 13th and 14th. During this night, the depression near Iceland became absorbed into the circulation of the secondary depression. This was situated over the Faeroes by 13h. on the 14th and pressure there had fallen to about 947 mb. There were further falls of rain at many places in the British Isles during the 14th and early on the 15th. This rain fell both in the warm air, whilst it was over England and Wales, and also with the arrival of colder air masses from the north-west, which swept south-eastwards across the country in the rear of the depression.

December 13th

Devonshire.	*in.*	or %
Manaton (Heathercombe) .	*2·67*	..
Chagford (Fernworthy) ...	*2·69*	*3·7*
Chagford (Metherall).....	2·58	3·7
Chagford (Thornworthy) ..	3·26	4·4
Lancashire.		
Coniston (Thwaite Cottage)	2·68	3·1
Hawkshead Hill.....	2·78	3·5
Yealand C. (Morecambe L.)	2·50	5·0
Yorkshire.		
Slaidburn (Brennand).....	2·95	4·3
Slaidburn (Croasdale H.) ..	2·69	5·1
Slaidburn (Croasdale V.) ..	3·82	5·9
Slaidburn (Whitendale) ...	2·56	3·7
Oughtershaw Hall	3·75	6·5
Cumberland.		
Borrowdale (The Moraine).	*3·11*	*2·9*
Watendlath Farm.....	*3·27*	*3·5*
Buttermere (Hassness)....	2·96	2·7
Thirlmere (Dale Hd. H.) ..	*3·00*	*3·2*
Cockermouth (Loweswater)	2·67	4·4
Keswick (Lingholm Gdns.)	3·32	4·8
Keswick (Derwent Is.)....	2·50	4·3
Portinscale (High Moss)...	2·57	4·5
Lorton (The Bungalow) ..	2·59	(5·0)
Westmorland.		
Hawes Water (Burn Bks.).	3·72	5·1
Patterdale Hall	*3·22*	*3·5*
Rydal (High Close)	3·05	3·7
Rydal (The Hall)	*2·90*	*3·4*
New Dungeon Ghyll Hotel	3·50	3·7
Grasmere (The Wray)	*3·50*	*3·8*
Grasmere (Huntingstile)...	3·60	4·0
Kentmere Head Reservoir.	3·41	3·1

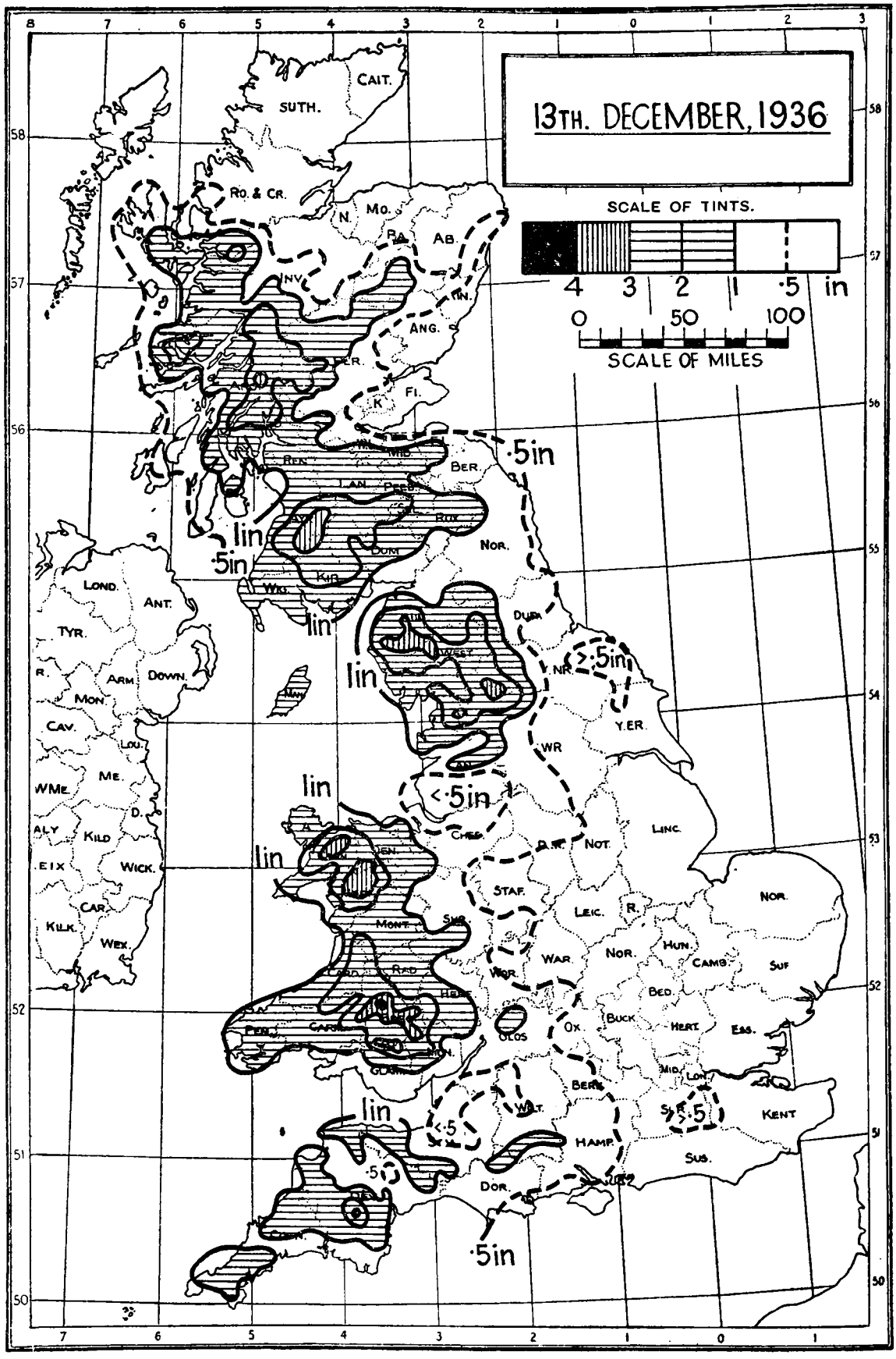
Monmouth.	*in.*	or %
Abertillery (The Park)	*2·95*	*4·4*
Tredegar Laboratory	(3·26)	(5·1)
Ebbw Vale (Iron Works)..	3·23	5·3
Blaenavon (Estate Office) .	3·05	4·8
Abergavenny (Ty Clyd) ..	2·80	5·6
Abergavenny (The Chain) .	2·57	5·6
Glamorgan.		
Rhondda W.W. (Llyn Fawr)	3·07	3·4
Pontypridd (Llanfabon)...	3·10	4·9
Mtn. Ash (Darranlas R.) ..	3·38	5·2
Mtn. Ash (Maesydderwen).	3·39	5·5
Treherbert (Tyn-y-waun)..	3·07	3·5
Rhondda (Castell Nos R.) .	3·85	4·5
Rhondda (Lluest Wen F.).	3·92	4·8
Rhondda (Lluest Wen R.).	3·82	4·7
Merthyr T. (Penybryn F.).	3·17	5·1
Merthyr T. (Hanover St.) .	3·16	5·2
Dowlais (Gwernllwyn)	2·57	5·2
Dowlais (Garth F. Beds)..	2·74	4·4
Carmarthen.		
Llyn-y-fan F. (Nant C.)...	3·32	4·2
Llyn-y-fan F. (T.-y-Foel)..	3·02	4·8
Brechfa	2·56	4·0
Brecon.		
Swansea W.W. (Nantyrwydd)	2·79	4·0
Ystradfellte Reservoir	2·59	3·4
Aberdare (Nanthir Res.) ..	2·93	4·5
Cardiff W.W. (Llwynon R.)	2·76	4·1
Cardiff W.W. (Garw-nant)	*2·83*	*3·7*
T. Fechan (Pentwyn R.S.).	2·50	3·5
Cardiff W.W. (Storey A.)..	*3·10*	*3·6*
EbbwV.W.W.(Llangynidr) 1	3·61	4·7
Ebbw V. W.W. (Llangynidr) W 3	3·72	4·

December 13th (*contd.*)

Brecon.	*in.*	or %
Ebbw V. W. W. (Llangynidr) N.W.....	3·71	4·8
Ebbw V. W. W. (Carno, S.)	3·04	3·9
Ebbw V. W. W. (Carno, E.)	3·46	4·5
Ebbw V. W. W. (Carno, W.)	3·52	4·5
Ebbw V. W. W. (Carno, N.)	3·21	4·2
Abergavenny (Gilwern)....	2·73	4·8
Talybont (Ffynonwen)	2·52	4·0
Talybont (Aberclydach)...	2·98	5·7
Crickhowell (Gwernvale)...	2·83	6·1
Crickhowell (Glanusk P.) ..	2·91	5·4
Crickhowell (Penmyarth)..	2·91	6·0
Swansea W. W. (Cray R.) 1	2·63	4·0
Talybont (Ashford).....	3·76	7·3
Llanfrynach (Ty-mawr) ...	3·00	6·0
Crickhowell (Dan-y-Parc)..	2·71	5·8
Trecastle (Blaenau-hyd.) ..	4·60	6·7
Brecon (Tairbull School)...	2·80	5·0
Brecon (Ffrwdgrech).....	3·53	6·9
Brecon (Mount St. Sch.)...	2·89	6·0
Bmgham W.W.(Nantgwillt)	2·62	4·0
Birmingham W.W.(Tynant)	2·93	4·1
Denbigh.		
Pentre Voelas (V. Hall)....	2·84	4·3
Bettws-y-coed (Talfryn)...	2·86	5·1
Bala (Plas Coch Hotel)	3·06	5·3
Bala (Tegid Street)	3·20	5·5
Llandderfel (Palé Gdns.)...	2·56	4·5

Denbigh.	*in.*	or %
Festiniog (Hafod Fawr)...	3·36	4·4
Dolgelley (Bronygader)....	3·55	4·4
Dolgelley (Dol'rhyd).....	2·65	3·8
Carnarvon.		
Lake Eigiau (Dam Site) ...	3·90	4·3
Tyn-y-Groes (Dolcrwm) ..	2·84	5·5
Tyn-y-Groes (Roe Wen)...	2·73	5·4
Waenfawr Council School...	2·64	4·9
Snowdon (Cwm Dyli) No.11	3·52	3·0
Snowdon (Llydaw Intake)...	5·30	3·4
Kirkcudbright.		
Threave.....	2·69	5·1
Orchars	2·93	4·4
Clatteringshaws (Intake) ..	*2·93*	*4·3*
Ayr.		
Tunskeen	2·95	3·8
Afton Res. (Filters)	3·50	4·5
Glen Afton (Ayr San.).....	3·45	6·2
Argyll.		
Glenleven (Bl. Dam, S.) ...	*2·50*	*3·0*
Ardkinglas	3·18	4·8
Strachur (Glenbranter)....	2·60	3·3
Mayo.		
Aasleagh House	2·58	2·6

The map shows that the rainfall of the 13th was less than half-an-inch over the eastern half of England and Wales, as well as in the east and north of Scotland. Falls of more than 3 inches were confined almost entirely to south Wales, north Wales, the English Lake District and the Southern Uplands of Scotland. The largest amount was 4·60 inches recorded at Blaenau-hydfer, to the north of the Black Mountains. At Crickhowell (Dan-y-Parc), further down the valley, where the total was 2·71 inches, the heavy rain occurred in about 9 hours commencing 16h. 30m. This gave the second highest flood in the Usk remembered by the observer Mr. R. G. C. C. Sandeman. The total rainfall for the five days, the 13th to 17th, recorded at Blaenau-hydfer was 10·06 inches. Widespread flooding occurred also in north Wales. The *North Wales Chronicle* reported: "The rivers Soch, Cymerau, Erch and Dwyfor overflowed their banks for miles and the large tract of low land from Pwllheli Embankment up to Garreg Defaid was one piece of water. It is stated that 37 years have passed since such a volume of water was seen between the Embankment and Garreg Fechan. . . . Low-lying portions of the Conway Valley, stretching from Bettws-y-Coed to Caerhun, were


13TH. DECEMBER, 1936
SCALE OF TINTS.
4 3 2 1 ·5 in
0 50 100
SCALE OF MILES
·5in
1in
1in
·5in
1in
1in
<·5in
·5in
1in
·5
·5
·5
·5in
CAIT.
SUTH.
Ro. & Cr.
N.
Mo.
Ba.
AB.
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LAN.
ROX.
DUM.
KIR.
WIG.
NOR.
LOND.
ANT.
TYR.
R.
ARM.
DOWN.
MON.
CAV.
LOU.
ME.
WME.
D.
ALY.
KILD.
EIX.
WICK.
CAR.
KILK.
WEX.
DUR.
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CHES.
DER.
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LINC.
STAF.
LEIC.
R.
NOR.
SUF.
MONT.
SHR.
RAD.
HEREF.
WAR.
NOR.
HUN.
CAMB.
BED.
GLOS.
OX.
BUCK.
HERT.
ESS.
BERK.
WILT.
MID.
LON.
SR.
KENT
HAMP.
SUS.
DOR.

under several feet of water, and the whole area was like an inland sea covering about 5,000 acres." At Dolgelley the total for the 24 hours 15h. on the 13th to 15h. on the 14th was as much as 4·66 inches. As an example of the flooding also experienced in the north of England reference may be made to Lancaster, which was isolated from the south for the greater part of the 14th. Rail communication with Preston was cut off about 8h. and bus companies suspended through running shortly afterwards. To add to the confusion the gale played havoc with the trunk telephone system to the north.

December 15th

Inverness.	*in.*	or %
L. Ness (Stronelairg)	2·60	5·3

Ross and Cromarty.	*in*	or %
Glenmoriston (Cluanie Lodge)	*2·52*	*4·0*

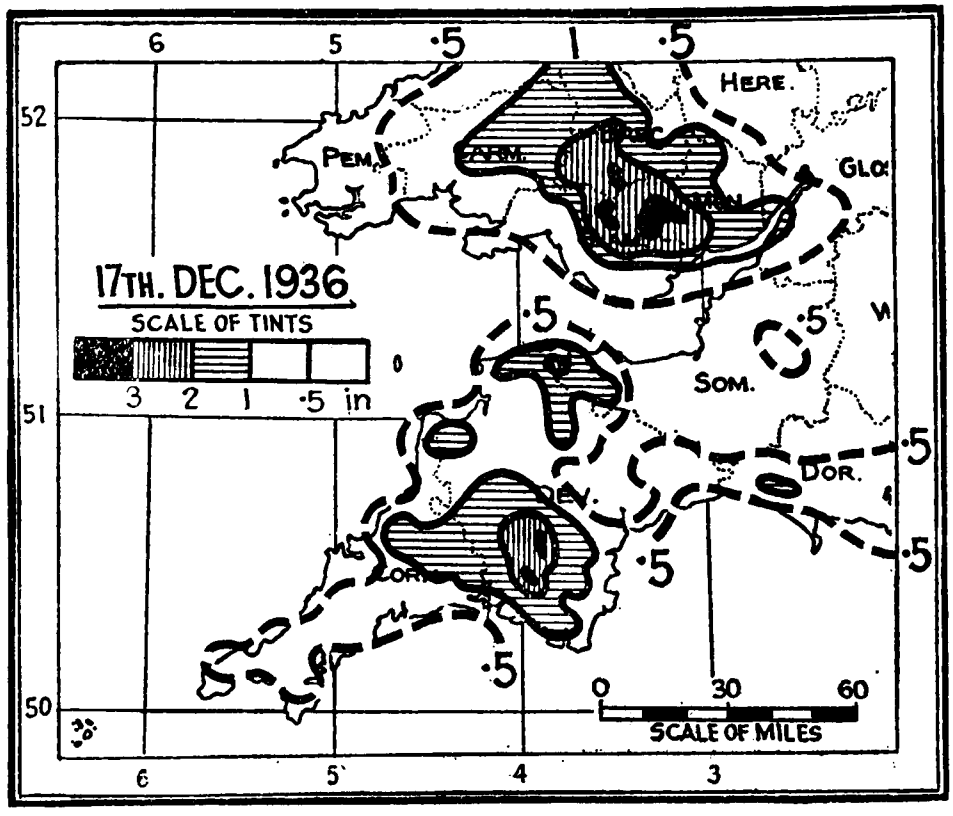
The rainfall of the 15th exceeded one inch over Dartmoor, part of south Wales, the English Lake District and the Western Highlands of Scotland. Falls exceeding two inches were confined to the neighbourhood of the Caledonian Canal.

December 17th

Devonshire.	*in.*	or %
South Brent (Brent Moor)	3·38	4·0
S. Brent (Brentmoor Ho.)	3·58	4·4
Holne (Church Pk. Cott.)	3·55	4·9
Princetown (H.M. Prison)	2·65	3·3
Manaton (Heathercombe)	3·11	..
Chagford (Fernworthy)	2·80	3·9
Chagford (Thornworthy)	*2·95*	*4·0*
Somersetshire.		
Culbone (Lillycombe)	2·50	4·7
Monmouth.		
Blackwood	2·69	5·2
Abertillery (The Park)	3·22	4·8
Glamorgan.		
Rhondda W. W. (Llyn Fawr Res.)	*2·90*	*3·2*
Pontypridd (Llanfabon)	*2·64*	*4·2*
Treharris Service Res.	3·15	5·3
Mtn. Ash (Darranlas R.)	*3·30*	*5·0*
Mtn. Ash (Maesydderwen)	*2·78*	*4·5*

Glamorgan.	*in.*	or %
Treherbert (Tyn-y-waun	*2·89*	*3·3*
Rhondda (Castell Nos. R.)	*3·64*	*4·2*
Rhondda (Lluest Wen F.)	*3·25*	*4·0*
Rhondda (Lluest Wen R.)	*3·71*	*4·6*
Llyn-y-fan F. (Nant C.)	*2·74*	*3·5*
Brecon.		
Aberdare (Nanthir Res.)	*2·61*	*4·0*
Cardiff W.W.(Garw-nant)	3·32	4·3
Cardiff W.W. (Beacons R.)	2·65	3·4
Cardiff W.W. (Storey A.)	3·35	3·8
Taf Fechan (Neuadd) 1A	2·70	3·3
Taf Fechan (Neuadd) 4	2·65	3·2
Ebbw V. W. W. (Llangynidr) 1	*2·80*	*3·6*
Ebbw V. W. W. (Llangynidr) W. 3	*2·84*	*3·7*
Ebbw V. W. W. (Llangynidr) N.W.	*2·87*	*3·7*
Ebbw V. W.W. (Carno, S.)	*2·56*	*3·3*
Ebbw V. W.W. (Carno, E.)	*2·64*	*3·4*
Ebbw. V. W.W.(Carno, W.)	*2·69*	*3·4*
Ebbw. V. W. W. (Carno, N.)	*2·61*	*3·4*

More than 1 inch was recorded for the 17th over part of the English Lake District as well as over the areas shown on the map. Falls of 3 inches occurred over part of Dartmoor and in parts of south Wales.



Rainfall, December 17th, 1936.

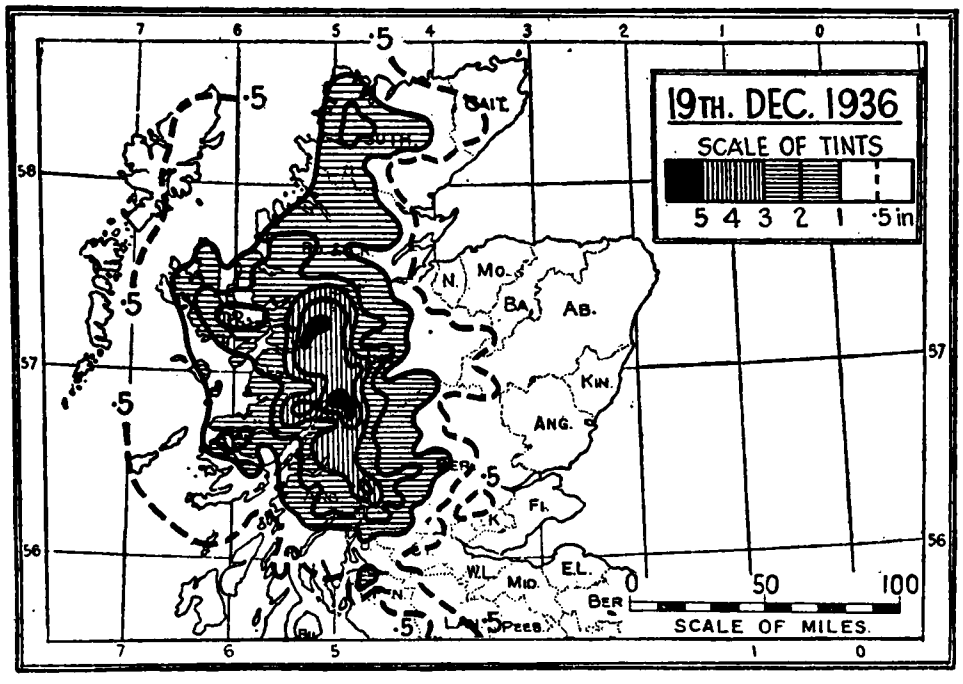
December 19th

Dumbarton.	*in.*	or %
Glen Finlas Res. No. 7.....	2·51	3·1
Argyll.		
Ardgour House.....	4·14	4·9
Glencoe Gardens	2·90	4·1
Glenleven (Bl. Dam, S.) ...	5·40	6·5
Glenleven (Kinlochleven)..	2·88	3·6
Inveraray Castle Gardens..	2·60	3·1
Perth.		
Glengyle	4·50	5·3
Tyndrum Manse	*2·51*	*3·2*
Inverness.		
Loch Quoich (Kinlochquoich).....	4·20	4·5
Loch Quoich (Glenquoich)..	4·50	5·3

Inverness.	*in.*	or %
Glenmoriston (Ceannacroc).	4·48	8·2
Loch Eil (Achdalieu).....	2·92	5·1
Loch Arkaig (Achnacarry)..	4·87	8·0
Loch Arkaig (Glendessary)..	4·20	5·0
Clunes (L. Lochy W.)	3·83	6·3
Fort William (The Factory)	4·10	6·5
Glenleven (Bl. Dam, N.)...	4·74	5·5
Fort William (Teviot).....	3·81	5·9
Fort William (Glasdrum)..	5·01	7·5
Skye (Kyleakin, Dunringell)	3·77	7·3
Skye (Scalpay Island).....	3·08	4·7
Ross and Cromarty.		
Glenmoriston (Cluanie Lodge)	4·42	6·9
Kinlochewe (Greenhill)....	2·75	4·5
Glen Shiel.....	5·80	..
Loch Duich (Inverinate)...	3·65	5·6

The rainfall of the 19th varied from over 5 inches in two areas in the Western Highlands to less than a tenth of an inch in the east, *e.g.* at Grantown-on-Spey, Balmoral Castle, Montrose and Edinburgh.

There was more than 3 inches over about 850 sq. mi. and more than 4 inches over 350 sq. mi. in the one area round Fort William.



Rainfall, December 19th, 1936.

December 30th

Cumberland.	*in.* or %		*Cumberland.*	*in.* or %	
Borrowdale (The Moraine)..	*2·75*	*2·6*	Watendlath Farm	*2·56*	*2·7*

December 31st

Westmorland.—Rydal (The Hall) .....*2·86 in.* or *3·4* per cent.

8. MONTHLY RAINFALL IN 1936.

Information as to the rainfall of the months of 1936 is set out in this section in various forms :—

(1) Table XIX (a) gives general values of the monthly and annual rainfall over the British Isles as a whole and also over the constituent countries separately.

(2) On page 79 details are given of some of the largest and smallest monthly totals of rainfall reported during 1936.

(3) In Table XX the monthly and annual totals of rainfall are set out for 400 stations, distributed as evenly as possible over the British Isles.

(4) Table XXI gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 150 stations, uniformly distributed over the British Isles, for which averages are available. At the end of this table, general monthly and annual percentage values are given for the British Isles and for each of the constituent countries.

(5) A set of twelve maps showing the distribution of the actual rainfall in each month, is reproduced in this article. A thirteenth map on a larger scale depicting the distribution of rainfall for the whole year appears in Section 10. These maps were originally drawn on the much larger scale of 19 miles to the inch, and values from the 2,000 stations reporting monthly were plotted on each map before the isohyetal lines were drawn.

(6) A second set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table XXI and in the rainfall table published month by month in the *Meteorological Magazine* is also reproduced in this article. The corresponding percentage map for the whole year appears later in Section 10.

In Table XIX (b) the average values, taken from the Book of Normals, Table 21A (M.O. 236, Section V), are given for comparison with the values for 1936 given in Table XIX (a).

Changes have been made both in connection with the preparation of the maps and the stations selected for inclusion in Tables XX and XXI. In earlier volumes as many as possible of the stations received

both monthly and annually were plotted on the monthly maps before the isohyetal lines were drawn, but the rainfall maps for 1936 have been based only on the 2,000 stations for which data are received monthly. The stations in Table XXI have been adjusted to include stations for which records are received monthly, while those in Table XX have been modified to include those given in Table V and Table XXI.

General Monthly Rainfall.

The general monthly values shown in Table XIX (a) have been computed by applying the percentage values given at the end of Table XXI to the average general values for the period 1881 to 1915. These computed values have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table XXIII which are based on a more exact determination as explained in the text accompanying that table.

Table XIX (a).—*General Rainfall for* 1936, *computed from the average,* 1881–1915, *by applying the general percentage values given in Tables XXI and XXIII to the General Average Values.*

	England.	Wales.	England and Wales.	Isle of Man.	Scotland.	Ireland.	British Isles.
	in.	in.	in.	in.	in.	in.	in.
January	4·8	7·1	5·2	6·5	6·1	5·9	5·9
February	3·1	3·0	3·2	3·8	3·4	3·3	3·4
March..	2·2	3·6	2·4	2·7	2·8	2·9	2·7
April	1·9	2·8	2·0	1·1	1·6	2·1	2·0
May	1·1	2·1	1·3	3·5	2·0	1·7	1·6
June	3·5	5·4	3·8	3·5	2·0	3·4	3·3
July	5·2	7·1	5·4	6·0	5·6	6·8	5·9
August	1·3	1·8	1·3	3·5	3·0	1·9	1·9
September	3·3	4·7	3·5	5·9	4·7	4·6	4·2
October	2·2	3·6	2·4	3·0	5·3	3·0	3·3
November	3·9	6·2	4·3	6·2	4·3	4·5	4·5
December	3·1	7·2	3·6	5·9	6·5	5·4	4·8
Year	35·6	54·6	38·4	51·6	47·3	45·5	43·5

The total rainfall over the British Isles up to the end of May was only ·2 inch in excess of the average. June and July contributed an excess of 3·3 inches, but August gave a deficiency of 2·0 inches, so that by the end of August the rainfall was only 1·5 inches in excess of

the average. The rainfall of the remainder of the year approximated closely to the average, so that the year ended with an excess of 2·1 inches.

A striking feature of the distribution of the rainfall shown in the summary at the foot of Table XXI is the sequence of five dry months, from February to June, in Scotland. Further details are given in Part IV.

Table XIX (b).—*General Monthly and Annual Averages of Rainfall*, 1881-1915.

	England	Wales	Isle of Man	England and Wales	Scotland	Ireland	British Isles
	in.	in.	in.	in.	in.	in.	in.
January	2·69	4·72	3·40	2·99	4·90	4·07	3·78
February	2·34	3·94	3·25	2·57	4·18	3·53	3·26
March	2·47	3·82	3·03	2·67	4·05	3·36	3·22
April	1·98	2·96	2·47	2·12	2·99	2·75	2·52
May	2·19	2·95	2·82	2·30	3·01	2·75	2·61
June	2·33	3·05	2·54	2·44	2·83	2·82	2·64
July	2·75	3·60	3·22	2·87	3·78	3·37	3·25
August	3·11	4·71	4·01	3·35	4·51	4·20	3·88
September	2·37	3·51	3·22	2·54	4·00	3·13	3·09
October	3·69	5·63	4·64	3·97	4·90	4·08	4·25
November	3·19	5·25	4·73	3·49	5·29	4·28	4·19
December	3·56	6·00	4·97	3·92	5·88	4·96	4·72
Year	32·67	50·14	42·30	35·23	50·32	43·30	41·41

The wettest months over the country generally were January and July, both with 5·9 inches. July was the wettest month over England and Wales and Ireland, while December was wettest over Scotland; May and August were the driest months over the country generally and over England and Wales. April ranked as the driest month over Scotland, and May over Ireland.

At the end of Table XXI the general values are given as percentages of the average. The rainfall exceeded the average over the British Isles as a whole in seven months, *viz.*, January, February, June, July, September, November and December. July, 1936, with 180 per cent., was wetter than any other July in the series back to 1870, the next wettest being that of 1888 with 176 per cent. August, 1936, with 49 per cent., was the driest August in a similar period, apart from those of 1880, 1899 and 1913 with 38, 49 and 45 per cent. respectively. January, 1936 was the wettest January since that of 1930. May, 1936

was the fourth dry May in succession, while October, 1936 terminated a sequence of four wet Octobers.

Extremes of Monthly Rainfall at Individual Stations.

(*a*) *Monthly Totals.*—More than 25 inches was recorded in December on Snowdon and at the head of Loch Quoich in Inverness-shire. The largest actual measurements were 27·75 inches and 27·50 inches at Snowdon (Grib Goch) and Snowdon (Teryn) but 25·27 inches was recorded at Loch Quoich (Loan).

On the other hand the smallest totals were recorded in August and May. The smallest actual measurements were at stations in S. Devon and Dorset in August :—

Station	*Amount. in.*
Teignmouth (Den Gardens)	·03
Rockbeare Manor	·03
Aylesbeare (Rosamondford)	·04
East Budleigh (Bicton Common)	·05
Exeter (St. German's Lodge)	·05
Iwerne Minster (Preston House)	·05
Exeter (Hatfield, Longdown)	·06
Lustleigh (Sun Hill)	·06

A few isolated stations recorded only a tenth of an inch or less in May, *e.g.*, Hastings (White Rock Gardens) ·07 inch and S. Hayling (C. of E. School) ·08 inch.

(*b*) *Monthly Percentage Totals.*—Monthly totals of more than three times the average were recorded at isolated stations in June and July. The total for June at West Witton, in Wensleydale, was 327 per cent., and for July at Wellingborough and Okehampton 344 and 346 per cent. respectively.

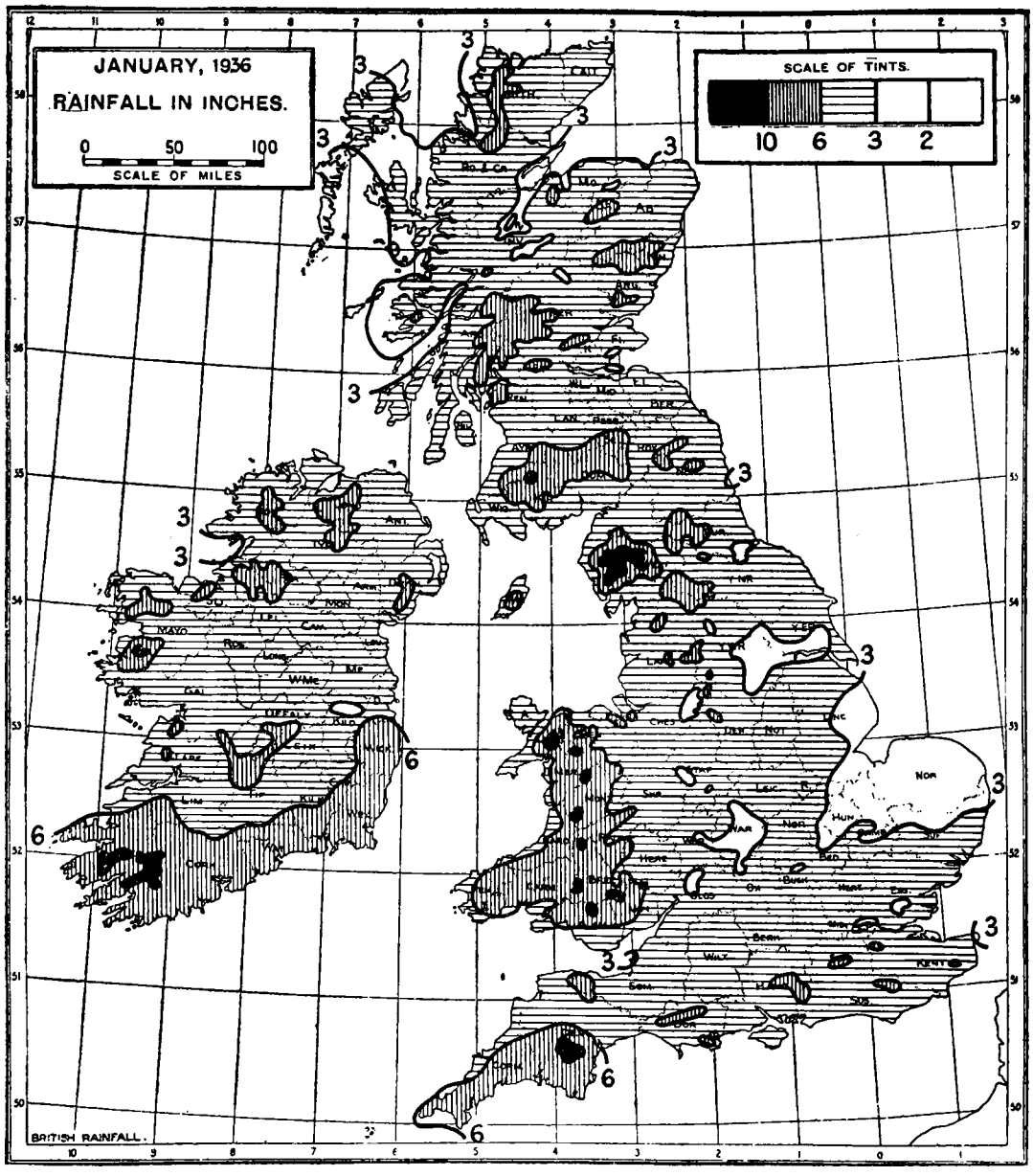
The smallest percentage values occurred in August, the values at Teignmouth and Weymouth being 1 and 4 respectively. The values of 13 per cent. recorded in May at both Ventnor and Eastbourne are also worthy of special mention.

The Rainfall and Weather of the Individual Months.

*** **Maps showing the distribution of mean pressure and the movements of the centres of depressions for each month are published in the *Monthly Weather Report.***

In the following pages maps are given showing the distribution of the actual rainfall in each month, and of the percentage monthly values, together with a short description of the weather of each month. Further details are given in the *Monthly Weather Report* and in the *Meteorological Magazine.*

January.—The mild, unsettled conditions of the last week of December persisted during the first ten days of January. From the 12th to the 23rd the weather was generally cold, with widespread sleet or snow, while for the remainder of the month mild weather prevailed.

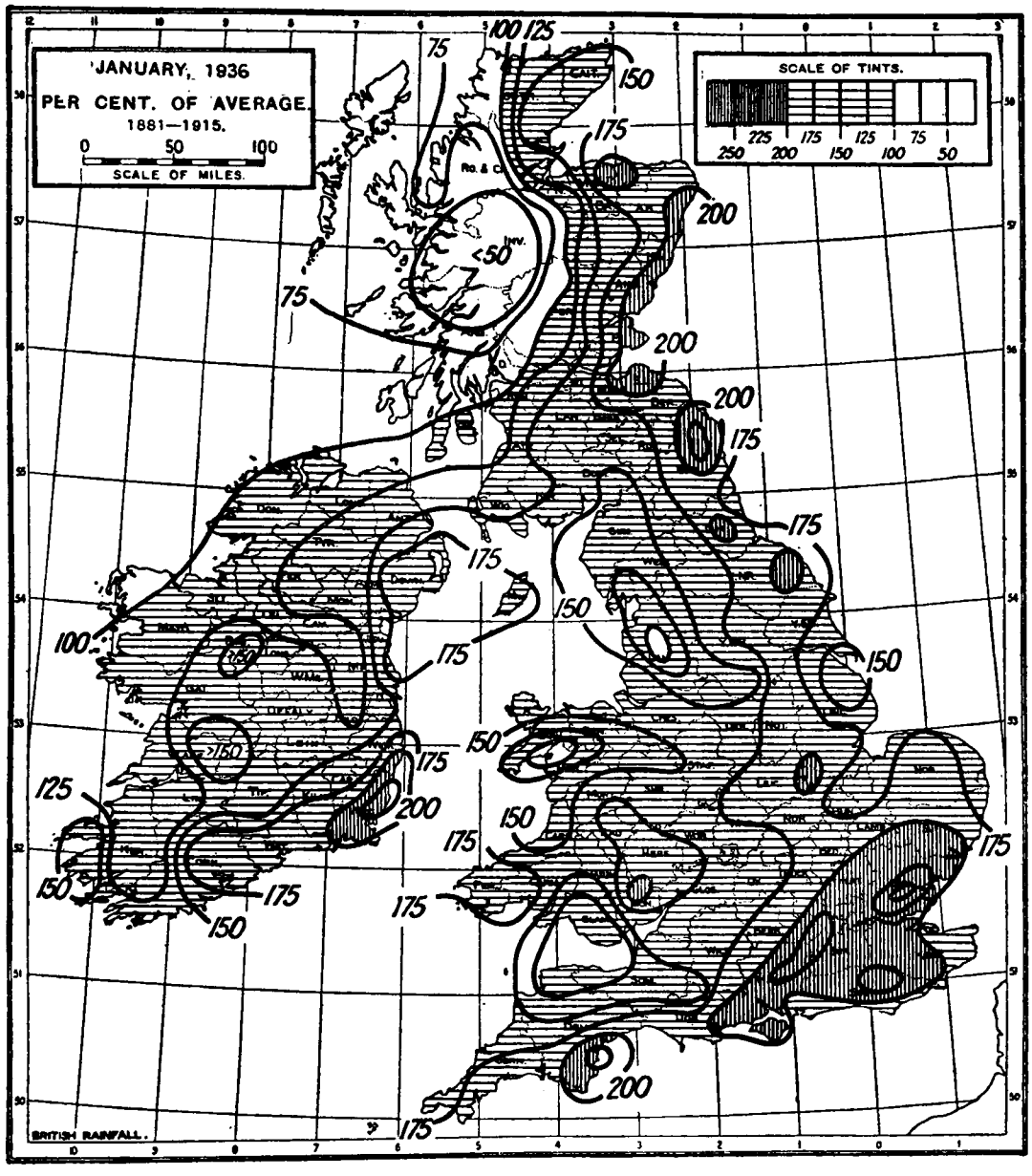


Rainfall, January, 1936.

A conspicuous feature of the weather was the snowstorm of the 19th to 20th in Scotland, north-east Ireland, northern England and the northern Midlands. Numerous stations in these districts reported from 6 to 18 inches of undrifted snow.

The mean pressure at 7h. was below the average everywhere, in most districts by as much as 15 mb. At Southport the mean pressure

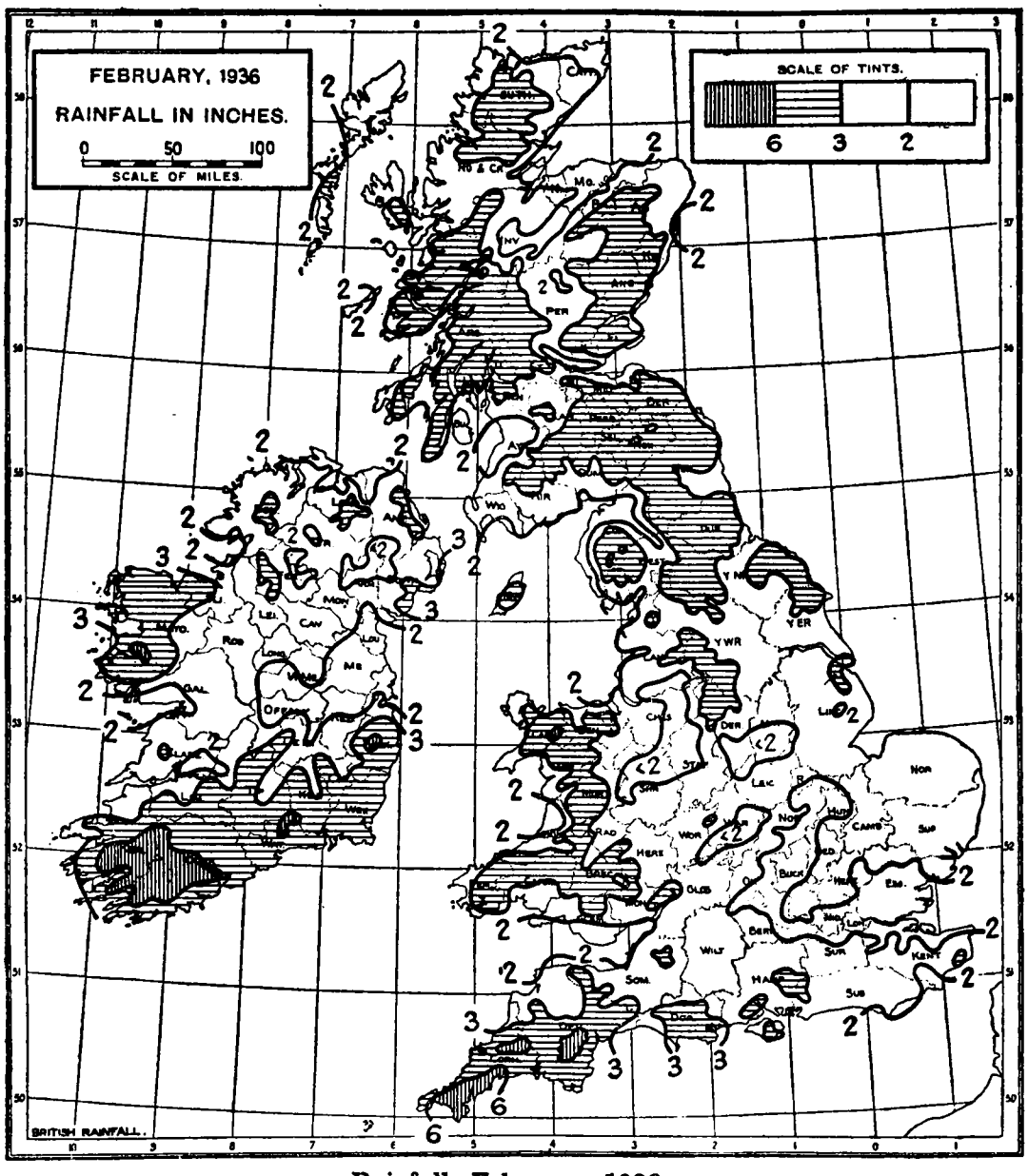
was lower than in any previous month, except December, 1876, in 65 years' records and at Oxford the lowest in January since before 1881. The tracks of the depressions were further to the south than usual. Widespread gales occurred on a number of occasions during the month.



Rainfall, January, 1936, as per cent. of average.

There was more than twice the average rainfall in the south-east of England, along part of the east coast of Great Britain and in the extreme south-east of Ireland. The range in the percentage was from 274 at Chelmsford to 37 at Corrour, in Glenleven. The feature of the map showing the distribution in inches is the large area with between 3 and 6 inches, with the south-east of England as wet as parts of the Western Highlands of Scotland.

February.—The month was on the whole sunnier and colder than usual. For the sixth month in succession mean pressure was below the average generally. The deficiency was greatest in the south and least in the north, varying from 11·4 mb. at the Scilly Isles to 0·8 mb. at

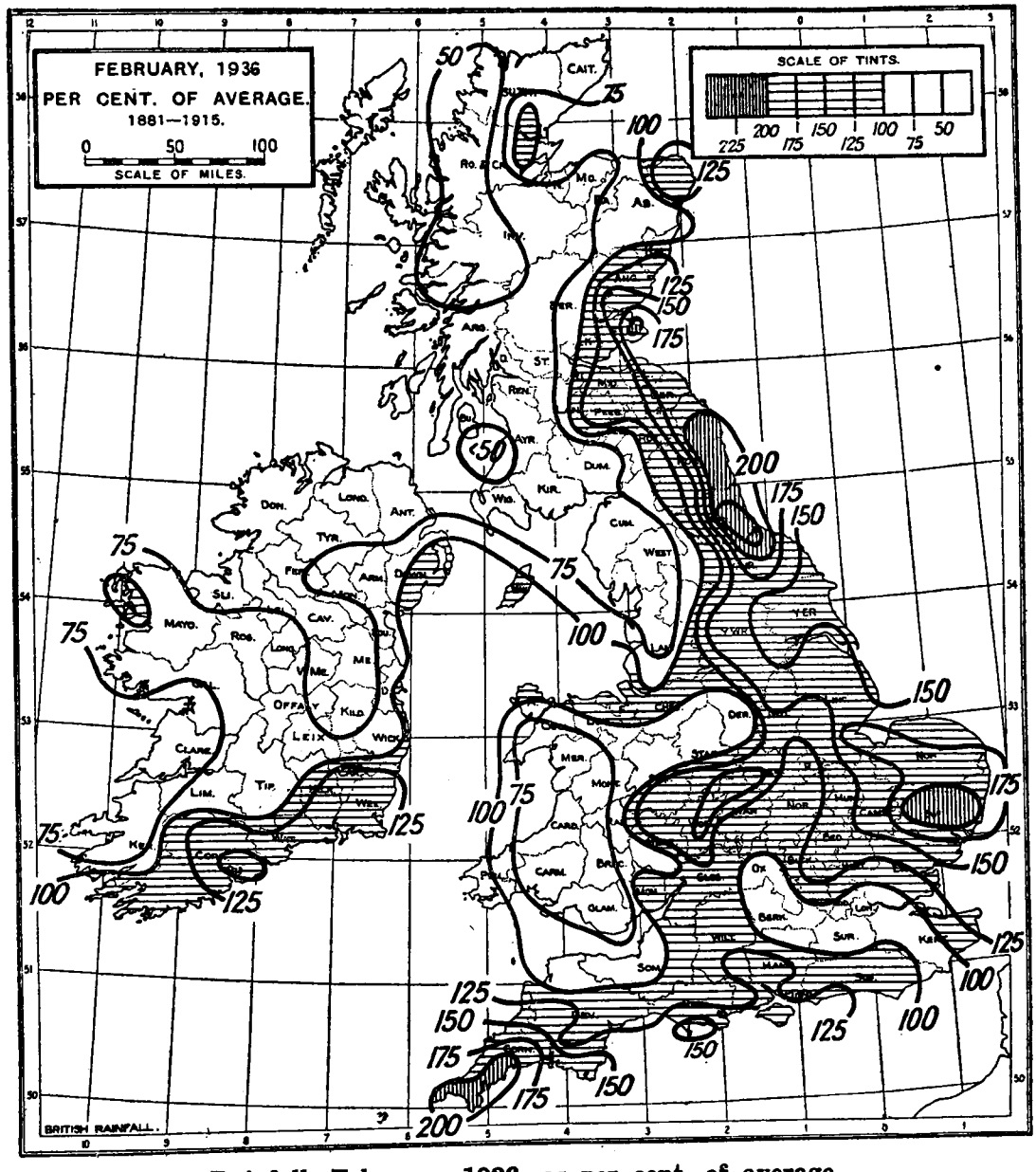


Rainfall, February, 1936.

Lerwick. Winds from some easterly point were more frequent than usual.

The distribution on the percentage map was similar to that for January. The rainfall of February was, however, less abnormal than in January. During February a larger part of the country received less

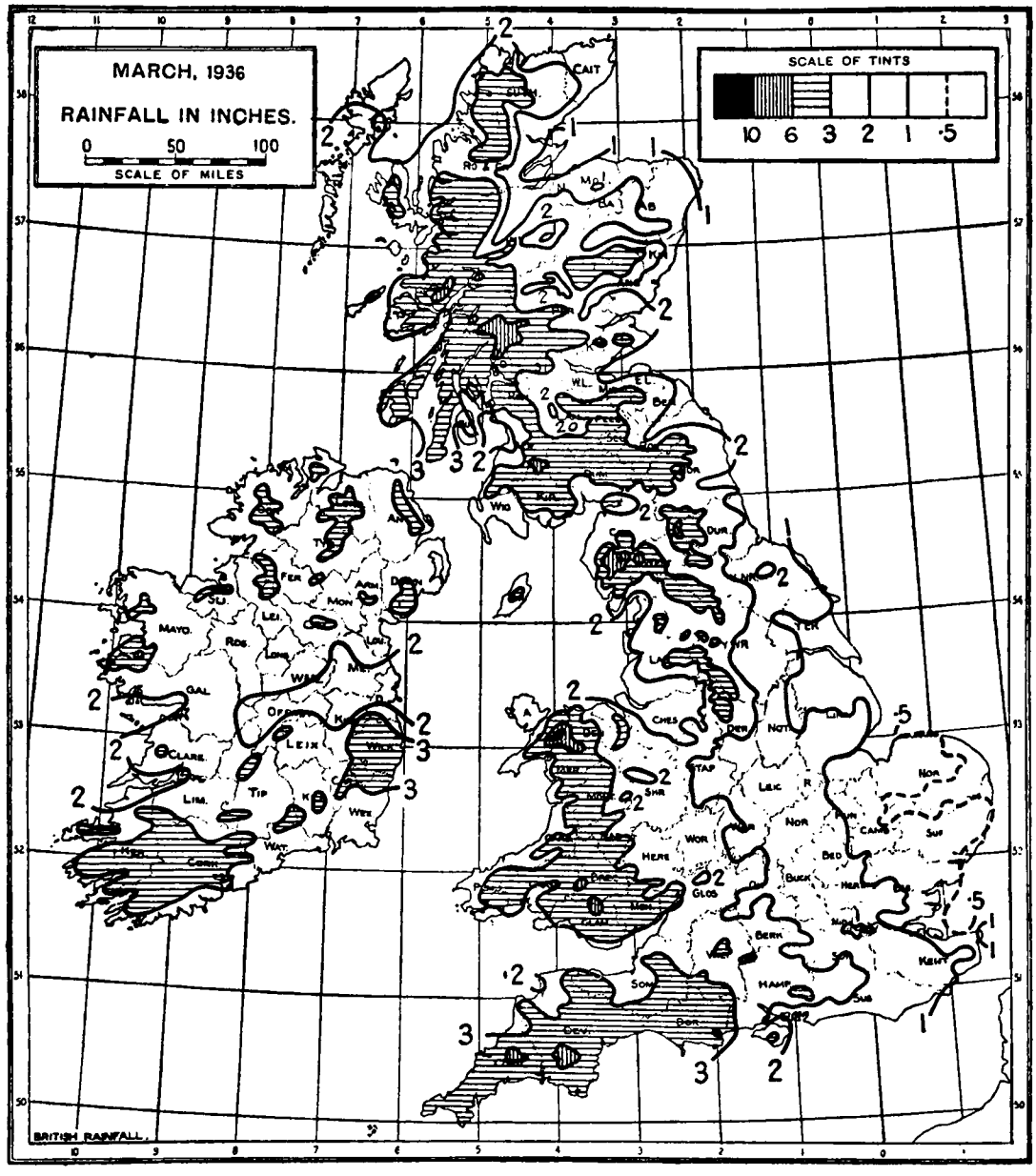
than the average. The variation in February was from twice the average over parts of the east of Great Britain to only half the average in the north-west of Scotland. At individual stations the range was from 227 per cent. at Middlesbrough to 40 per cent. at Ullapool.



Rainfall, February, 1936, as per cent. of average.

The distribution of the rainfall in inches over the country was more uniform than usual. Falls of less than 2 inches occurred over large areas *e.g.*, between the Cheshire Plain and the Thames Estuary, in the neighbourhood of the Moray Firth, and near Dublin ; the largest areas with over 6 inches occurred in the south-west of Ireland and of England.

March.—The month was generally mild with a deficiency of sunshine. It was the dullest March on record in certain areas, including Southport and Dublin. The mean pressure was substantially below the average in the south-west of England and exceeded the average in the north of Scotland, the deviation at 7h. ranging from

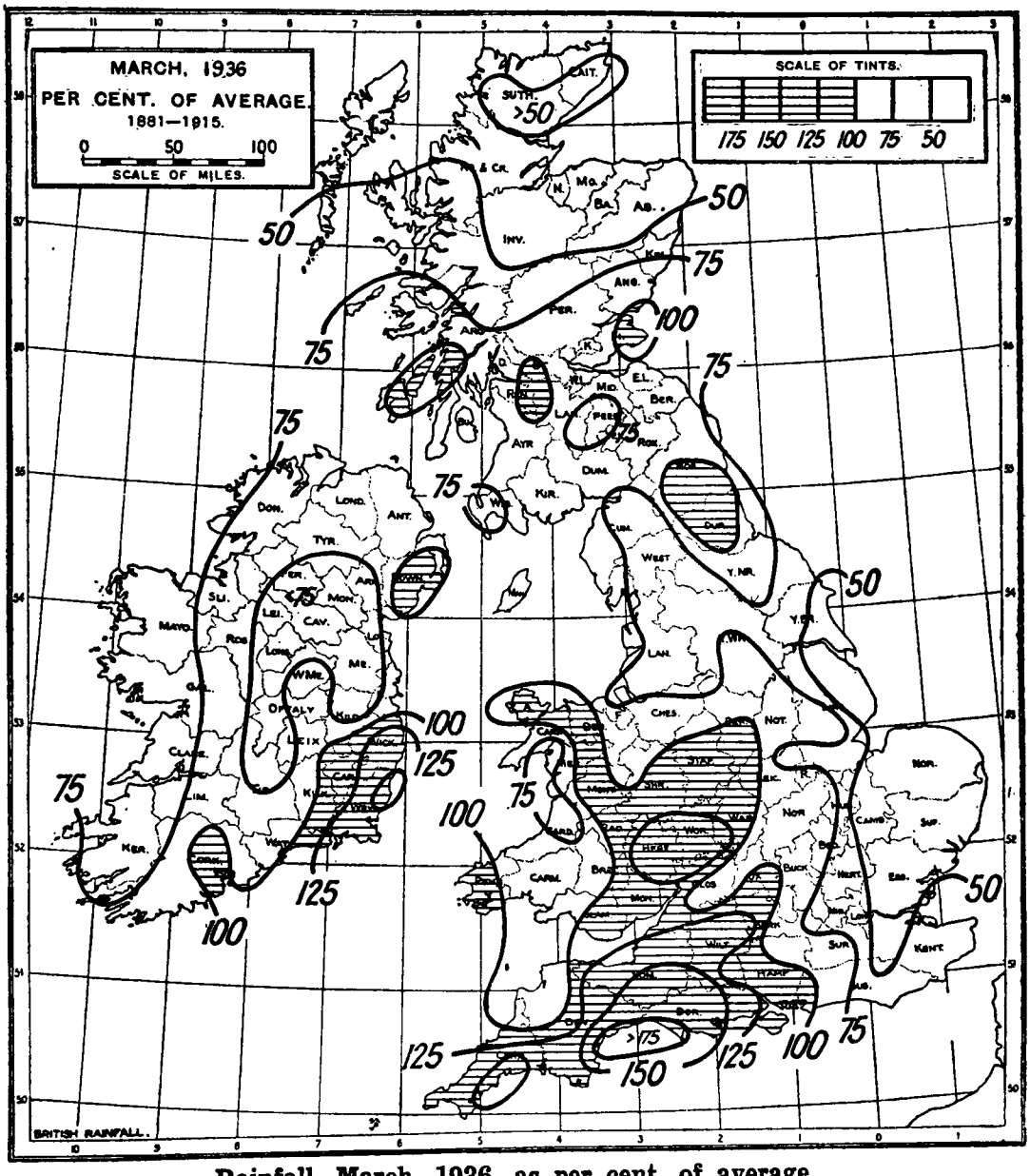


Rainfall, March, 1936.

—5·9 mb. at the Scilly Isles to +3·9 mb. at Lerwick. South-easterly or easterly winds were unusually prevalent and gales were relatively infrequent.

The totals failed to reach the average over the greater part of the country and were less than half the average over much of the north of

Scotland and the east of England from Hull to Edenbridge. The smallest percentage values were 25 and 27 recorded at Lowestoft and Gordon Castle respectively, the totals being in both cases only about half-an-inch. Totals exceeding 150 per cent. were recorded in Co. Wexford and in parts of the south-west of England. Weymouth

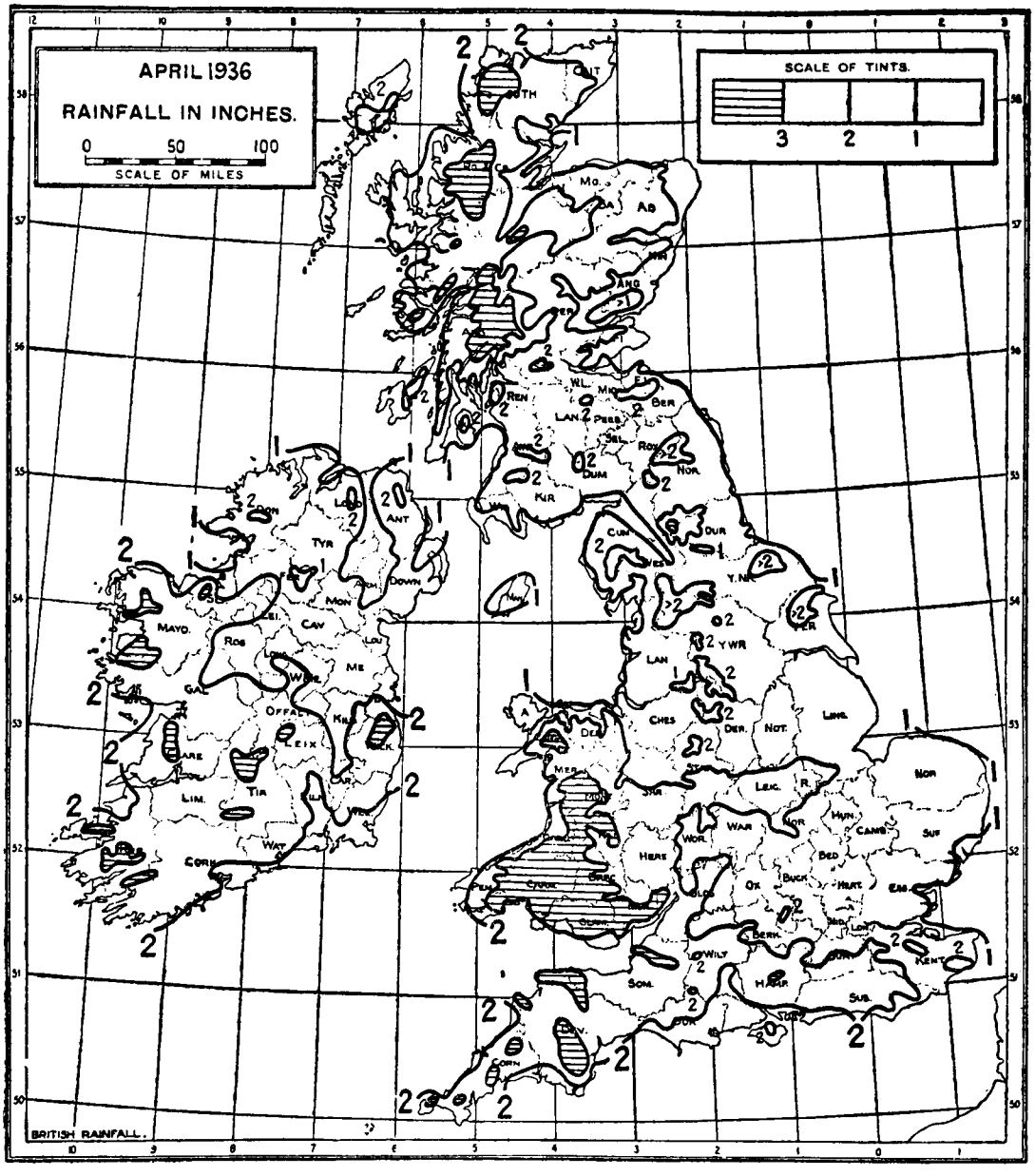


Rainfall, March, 1936, as per cent. of average.

and Teignmouth recorded 183 and 177 per cent. respectively.

Totals of less than half-an-inch were recorded at a number of stations in East Anglia, while the totals failed to reach 3 inches over the greater part of England and Ireland and over the eastern half of Scotland. A partial drought was recorded during March at Lowestoft and Gordon Castle (see section 3).

April.—The main feature of the weather of the month was the persistent cold northerly winds during the first three weeks, but a mild south-westerly current set in on the 24th. The mean pressure for the month at 7h. exceeded the average in most localities, the excess being

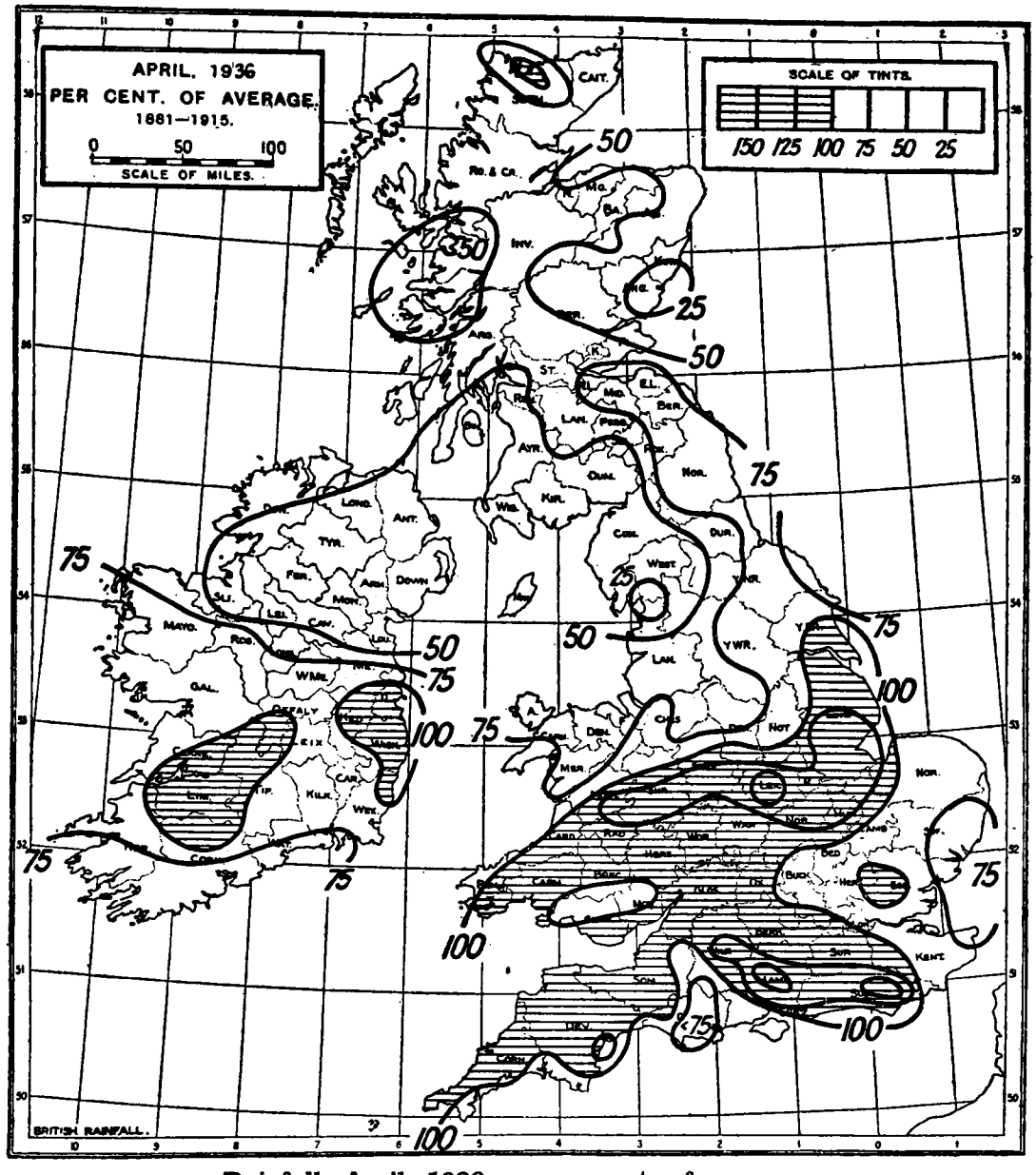


Rainfall, April, 1936.

greatest in the north-west, varying from 4·6 mb. at Stornoway and 4·5 mb. at Malin Head to 0·3 mb. at Kew Observatory.

There were large areas with less than half the average over the Western Highlands, the east and south-west of Scotland, northern Ireland and the English Lake District. At Montrose the total was only

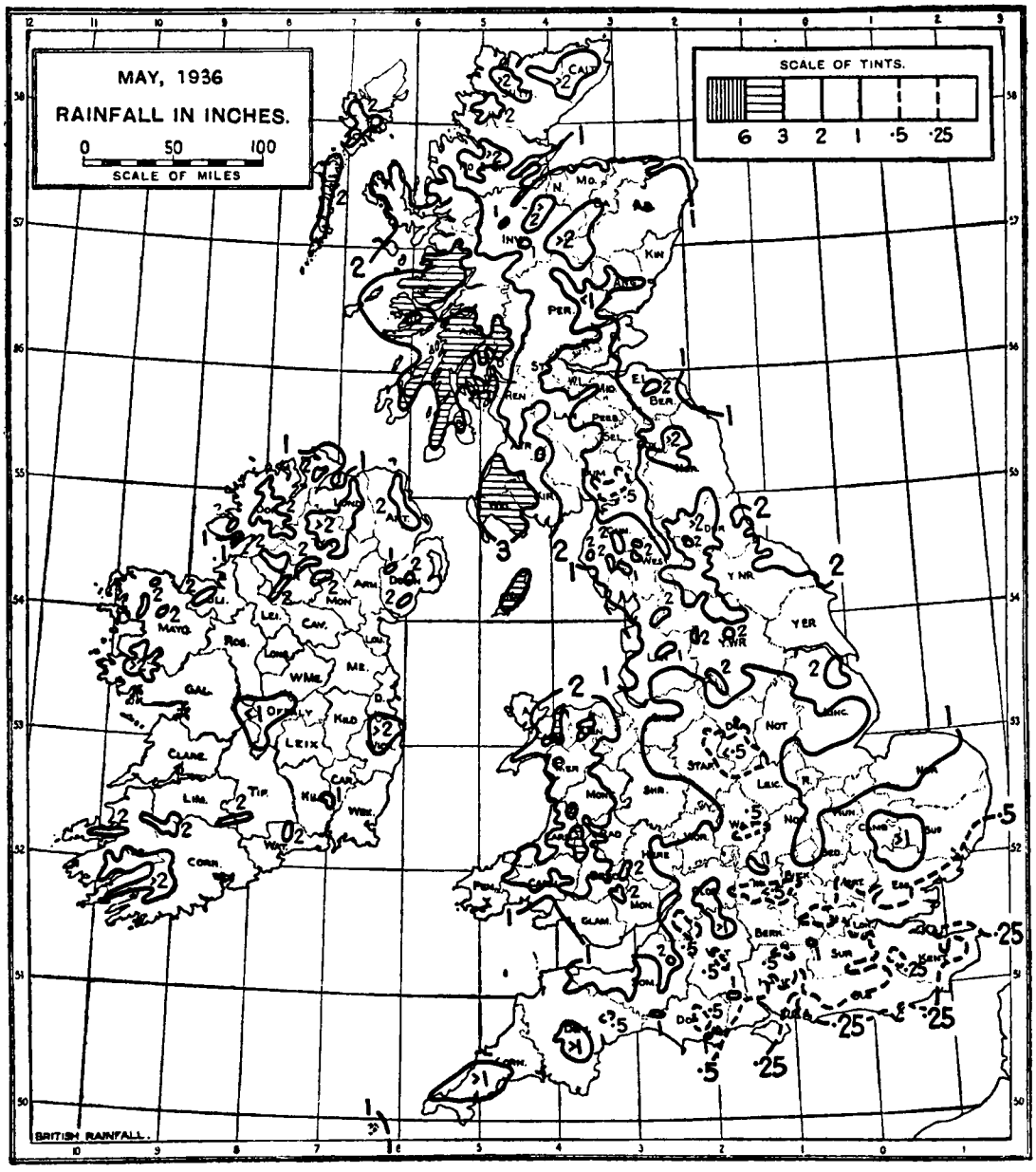
·34 inch or 19 per cent. and at Ulverston (Poaka Beck) ·77 inch or 26 per cent. Falls of more than 125 per cent. of the average were recorded from Montgomery to the Wash and from Marlborough to Lewes.



Rainfall, April, 1936, as per cent. of average.

Totals between 1 and 2 inches were recorded over the greater part of England, the south and east of Scotland and the north-eastern half of Ireland. The largest totals occurred in Glamorgan, where 5·3 inches were recorded at the head of the Rhondda Valley, due mainly to the heavy rains of the 19th to 25th, when there was as much as 3·9 inches.

May.—The main feature of the weather in May was the deficiency of rainfall in most districts, the amounts of sunshine exceeding the average in the north and west. A number of stations recorded droughts and dry spells during parts of April and May; details are given in Section 3. May was the third consecutive month to give less than the average rainfall over the country generally.



Rainfall, May, 1936.

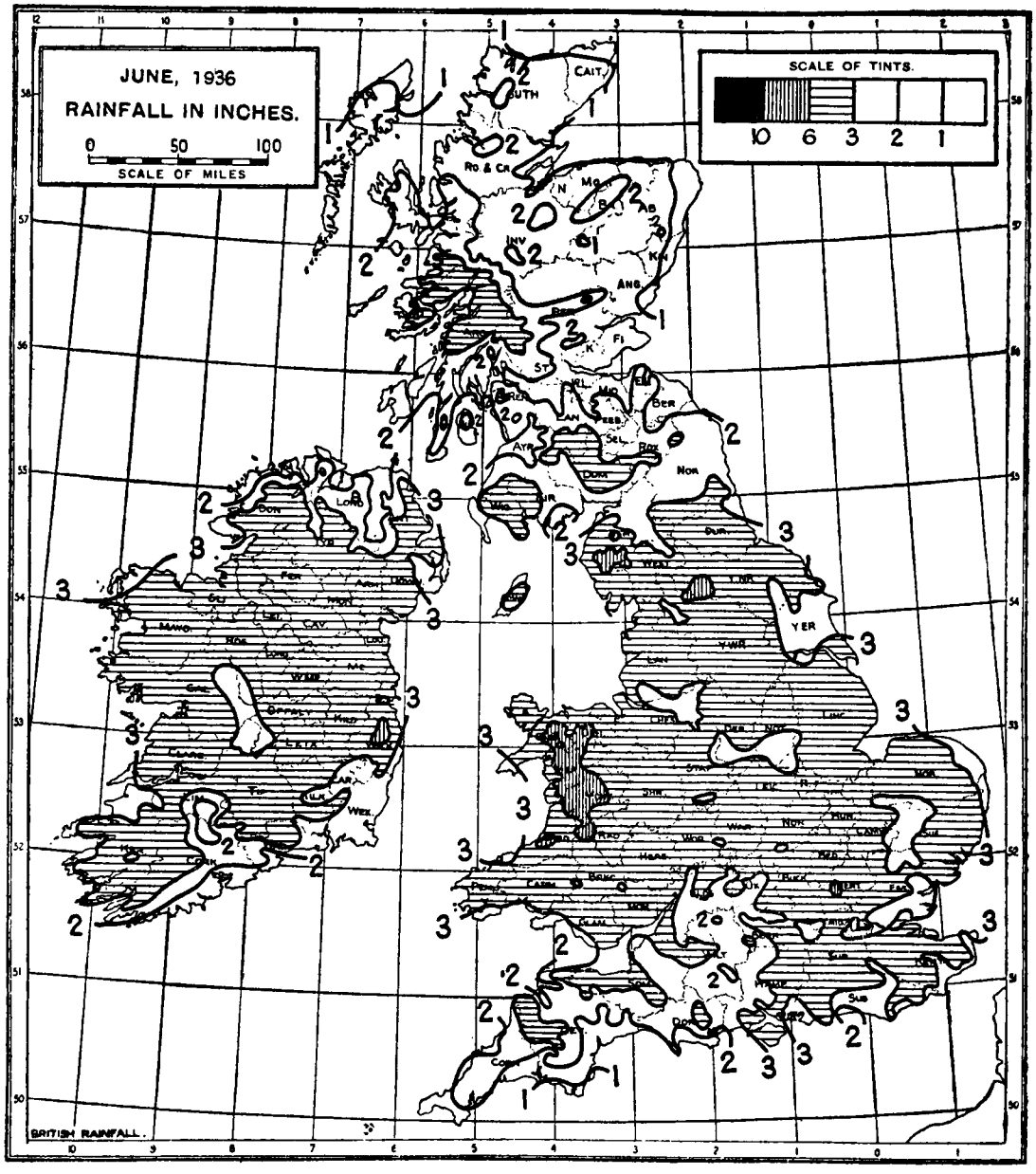
The percentage maps show areas with less than 25 per cent. near Perth, Langholm, Derby and along the south coast from Margate to Swanage, with more than 100 per cent. in the west between Mull and Chester and in the east between Durham and Bury St. Edmunds. At Poltalloch, in Argyllshire, with 186 per cent., the three days 15th to

17th contributed 5·20 inches out of a total of 5·87 inches. At Llandudno, with 170 per cent., as much as 1·81 inches out of a total of 3·03 inches fell on the 15th and 16th, while at Holkham, in Norfolk, with 125 per cent., the large total was mainly due to a heavy fall on the 30th. At Derby, with a total of ·42 inch, little rain fell on these days.

Rainfall, May, 1936, as per cent. of average.

The map showing the distribution of the rainfall in inches is noteworthy for the areas with less than half-an-inch, mainly in the south-east of England, with less than ·25 inch locally in Kent and Sussex.

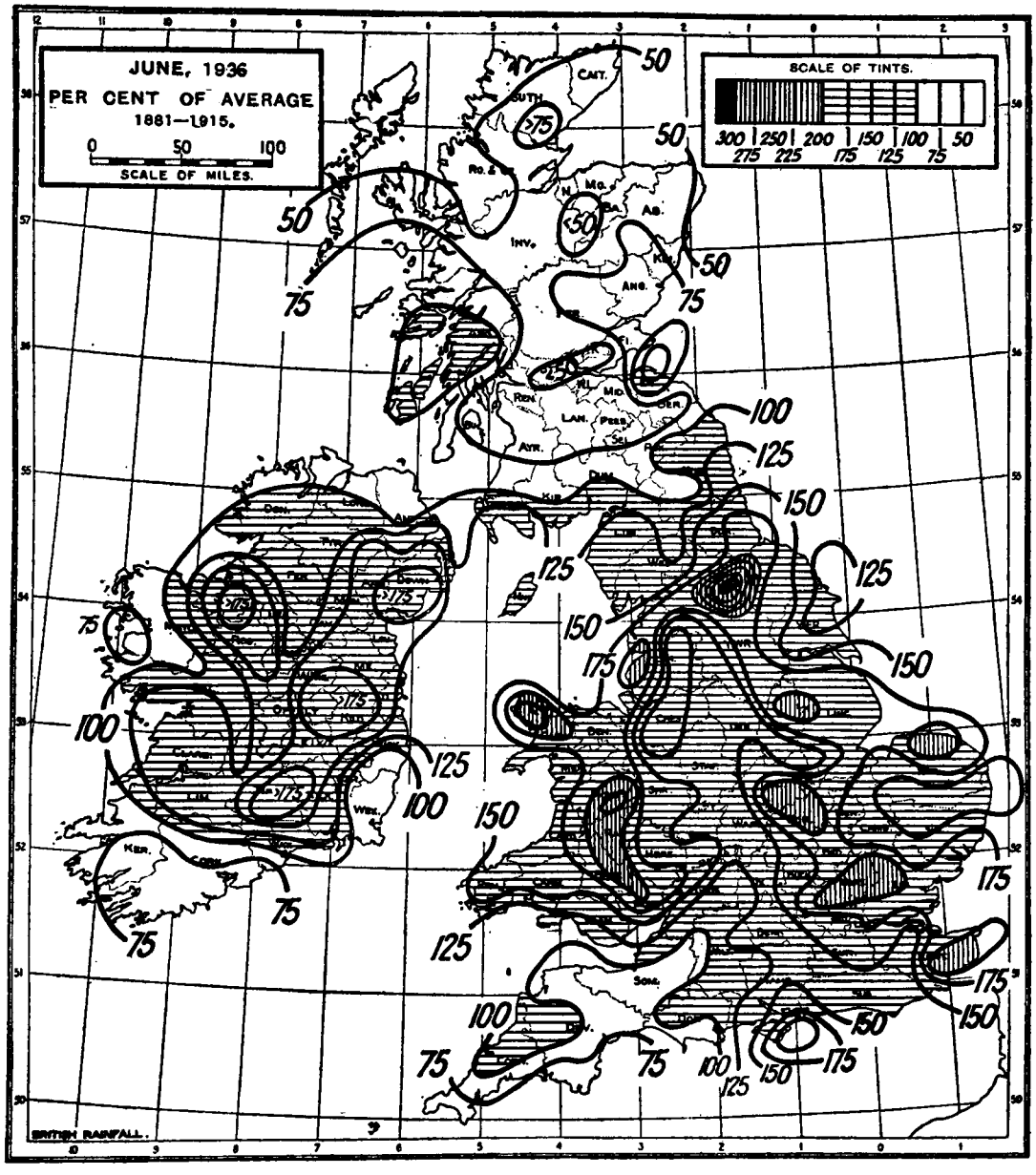
June was the fifth consecutive dry month over Scotland generally and the eighth consecutive month for which less than half the average occurred over some considerable part of the northern half of Scotland. Frequent thunderstorms gave, however, large totals for the month over parts of England, Wales and Ireland.



Rainfall, June, 1936.

Mean pressure for the month slightly exceeded the average in the extreme north of Scotland and was slightly below the average at most places elsewhere. The mean temperature exceeded the average generally. The excess of bright sunshine in the east and extreme north of Scotland was exceptional, both Aberdeen and Deerness recording the sunniest month since before 1881.

Areas with less than half the average rainfall were confined to parts of central and northern Scotland. At Stornoway the total was only ·93 inch or 40 per cent. of the average. The largest percentages were 327 at West Witton in Wensley Dale, 239 at Newtown, in Montgomeryshire and 232 at Holyhead. At West Witton the total

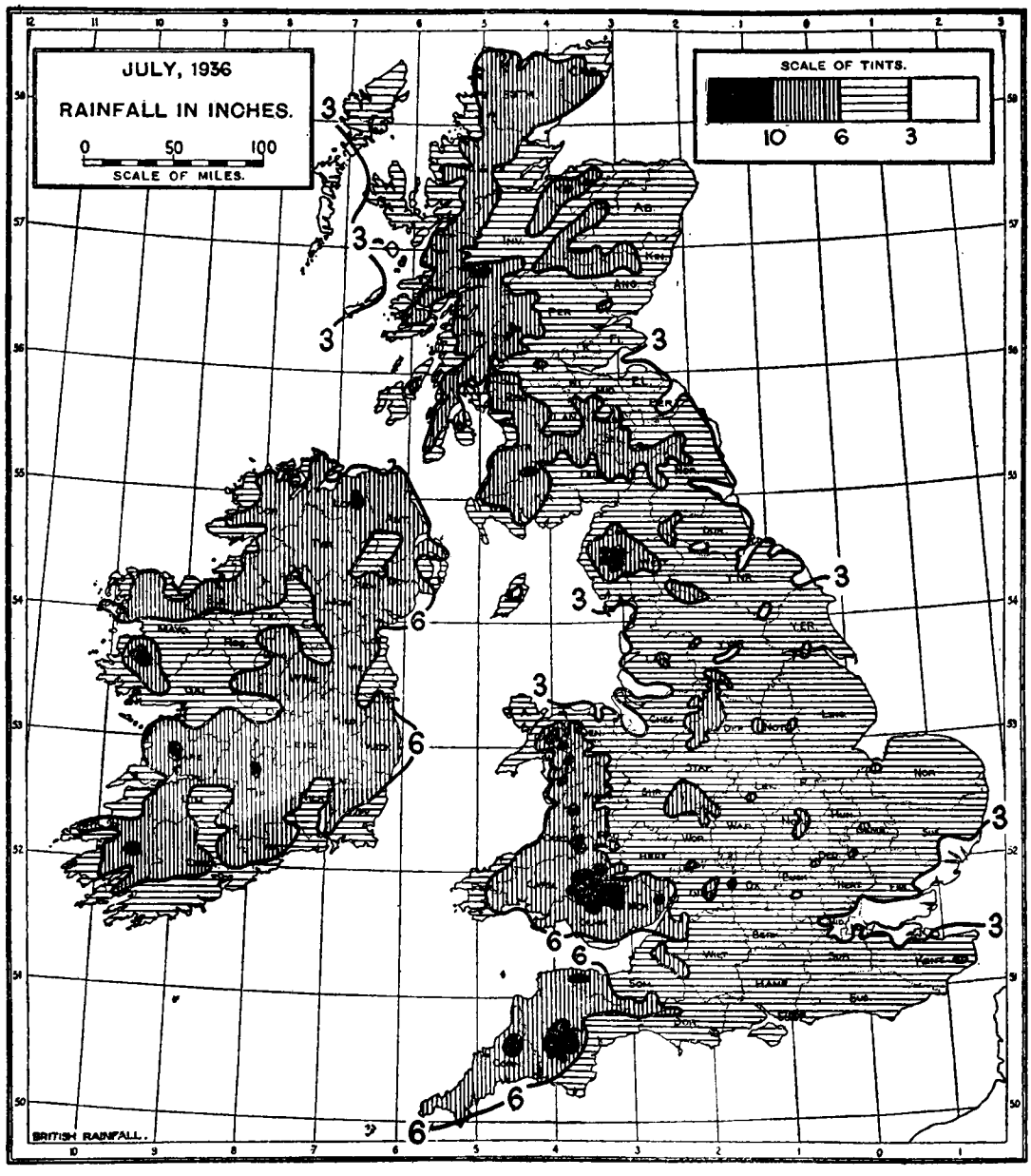


Rainfall, June, 1936, as per cent. of average.

for the three days, the 3rd, 22nd and 29th amounted to 4·53 inches out of a total for the month of 6·66 inches.

It is noteworthy that the northern half of Scotland was drier than the Midlands and south-east of England.

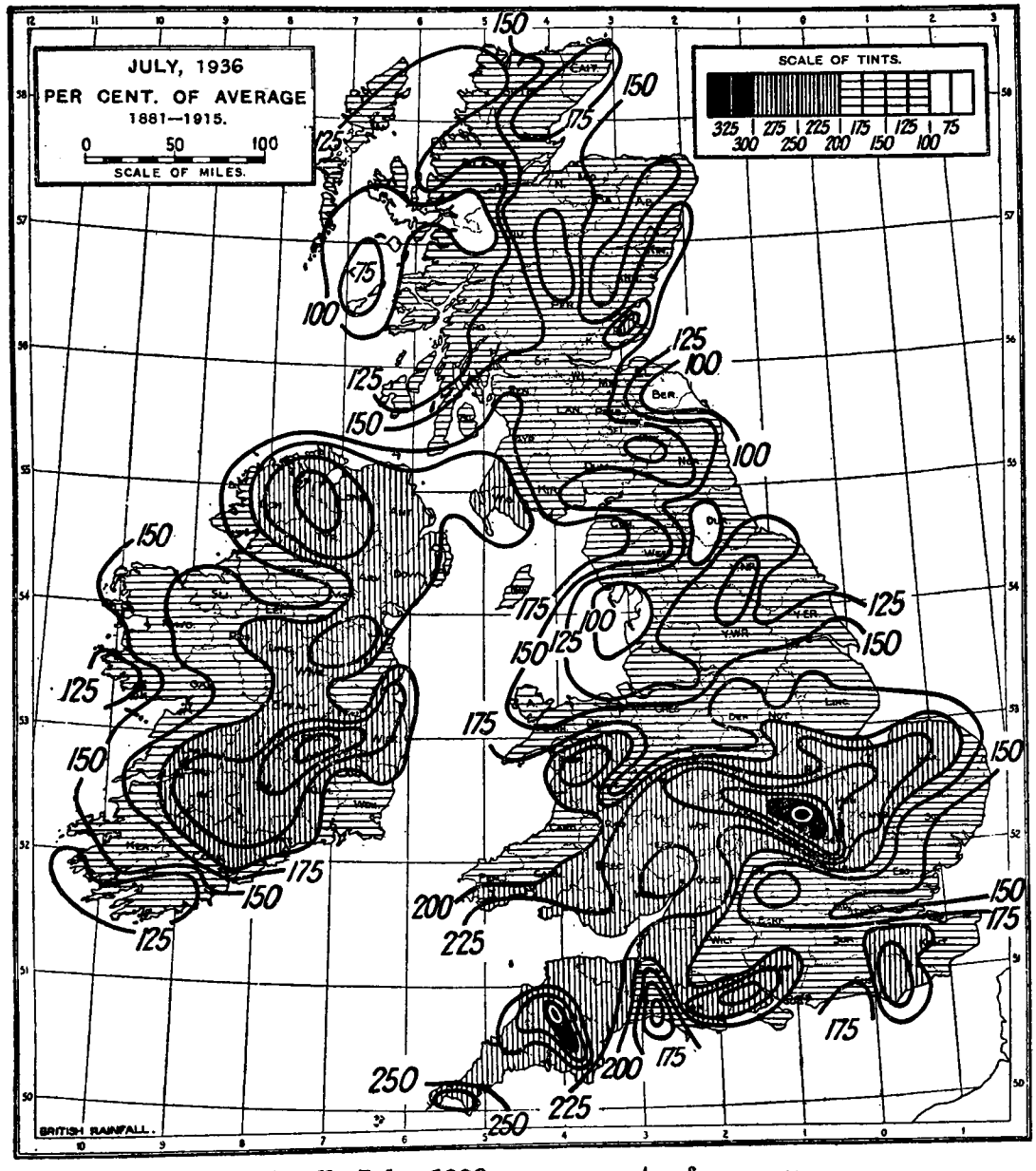
July.—Unsettled conditions prevailed throughout the month. The mean pressure was substantially below the average everywhere, the deficiency at 7h. varying from 5·4 mb. at Scilly to 8·2 mb. at Wick. Gales were reported in southern England around the 18th and locally between the 23rd and 25th. The total sunshine was less than the average at most stations.



Rainfall, July, 1936.

The total rainfall exceeded the average everywhere except from Fort William to Tiree, over Berwickshire and near Blackpool. At Tiree the total was only 2·24 inches, 62 per cent. of the average. Over much of the south-eastern half of England and Wales and eastern half of Ireland there was more than twice the average with three times the

average at Wellingborough and Okehampton. At Wellingborough the total, 7·88 inches or 344 per cent., was the largest for any month since observations began there in 1861. The large total was due in part to the thunderstorm rains of the four days, 7th to 10th, when 3·94 inches was recorded, and partly to frequent rains throughout the month. Some rain fell there on 42 out of the 44 days from June 25th

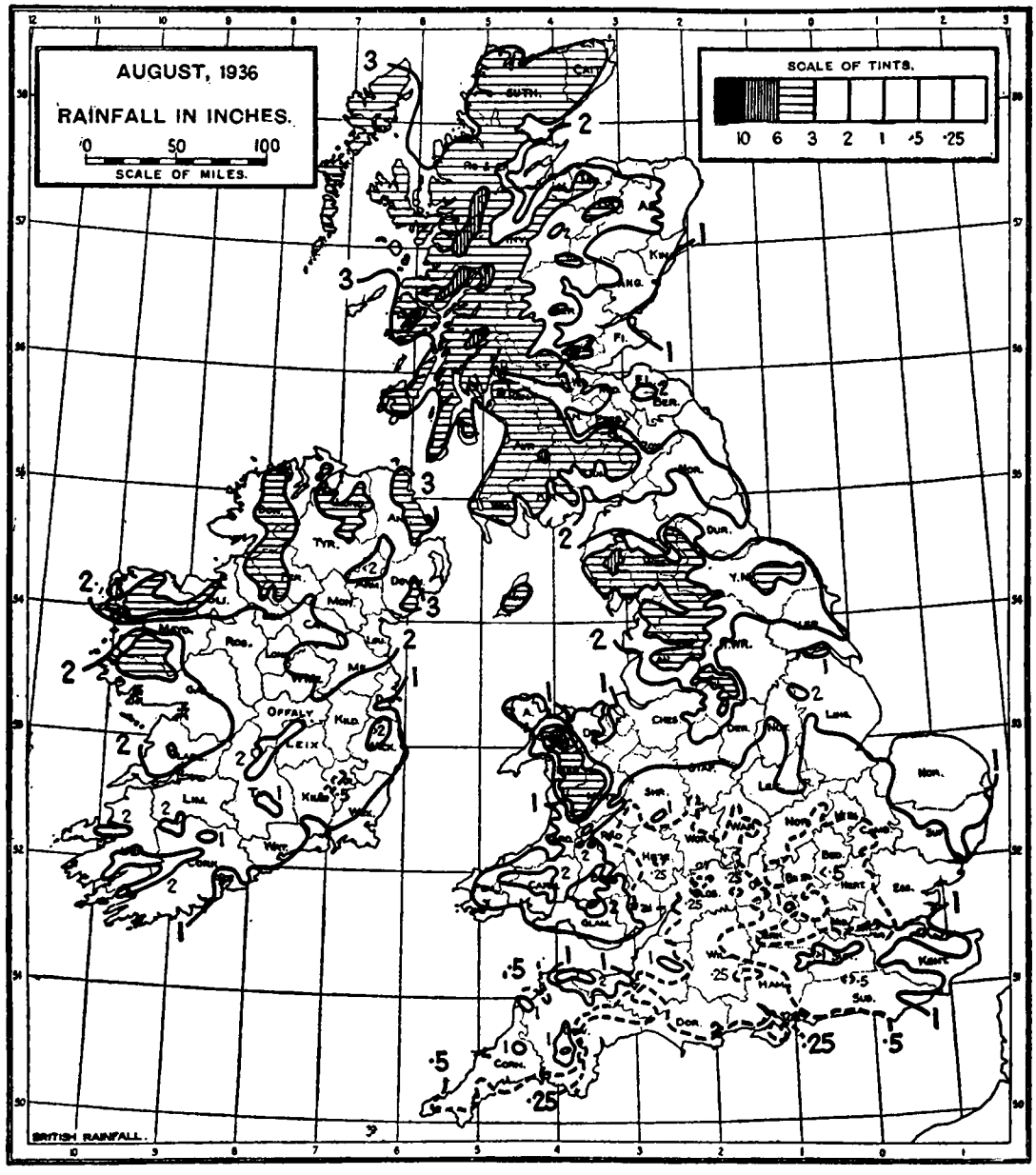


Rainfall, July, 1936, as per cent. of average.

to August 7th, giving a total of 8·95 inches. At Dublin and Omagh (Edenfel) in Co. Tyrone, July, 1936 ranks as the wettest July since before 1870. The total of 10·57 inches recorded at St. Briavels in the Forest of Dean was the largest monthly total for any station in Gloucester back to 1860.

August brought a change to warm and sunny weather, especially during the latter half of the month. The mean pressure exceeded the average generally, the excess at 7h. varying from 2·9 mb. at Lerwick to 5·6 mb. at Scilly.

The rainfall exceeded the average over small areas in the north-

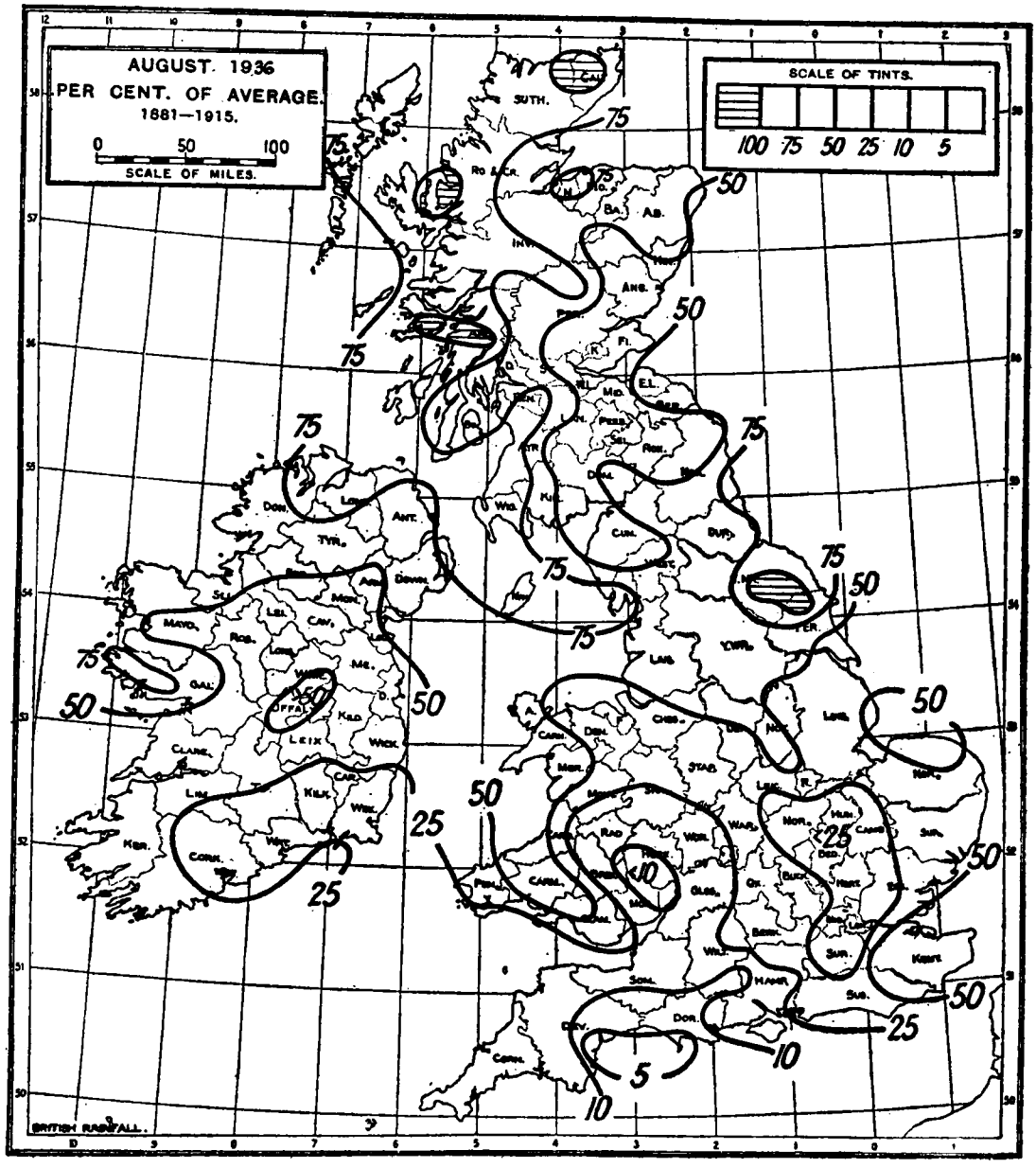


Rainfall, August, 1936.

west of Scotland and the Yorkshire Wolds. Over most of the southern half of the British Isles there was less than 50 per cent., with less than 25 per cent. in the south-east of Ireland and the south-west of England. The total failed to reach 10 per cent. over parts of Devon, Dorset, Wiltshire and Herefordshire. At Teignmouth and Weymouth

the totals were ·03 and ·08 inch or 1 and 4 per cent. respectively. It was the driest August since before 1875 at Falmouth, Barnstaple, Holne, Teignmouth and Ross-on-Wye.

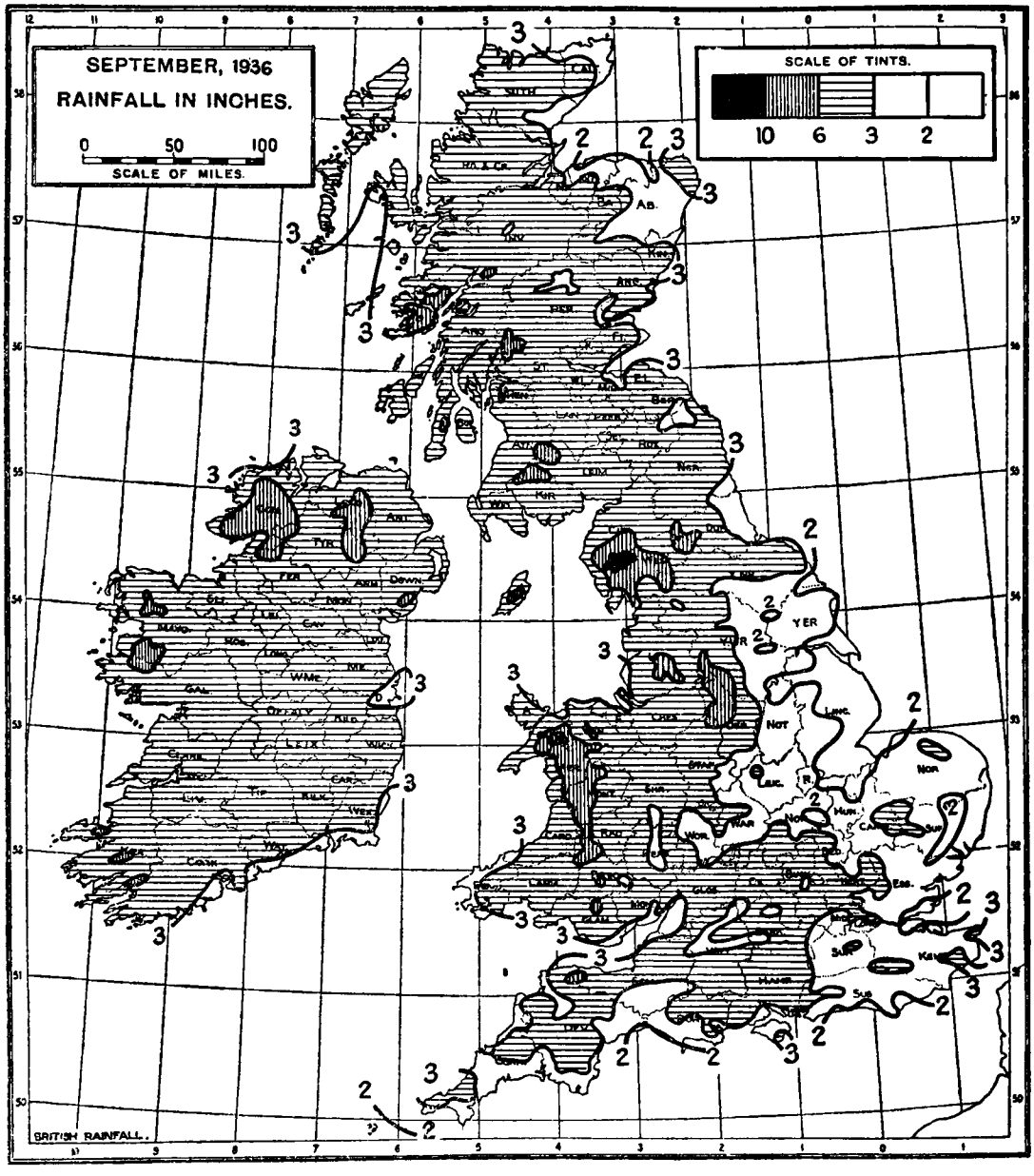
The map of distribution in actual inches shows a large area in the southern half of England with less than 1 inch, in which many stations



Rainfall, August, 1936, as per cent. of average.

recorded less than ·50 inch and less than ·25 inch occurred locally, especially along the coast from the Isle of Wight to Torquay. Partial droughts were recorded during August at many stations in an area enclosed between Hereford, Northampton, Worthing and Bridgwater (see Section 3).

September was warm, although generally dull and wet. The mean pressure at 7h. was remarkably uniform over the country, varying from 1015 mb. in the north-west to 1017 in the south-west. The deviation from normal varied from —1·3 mb. at Kew Observatory

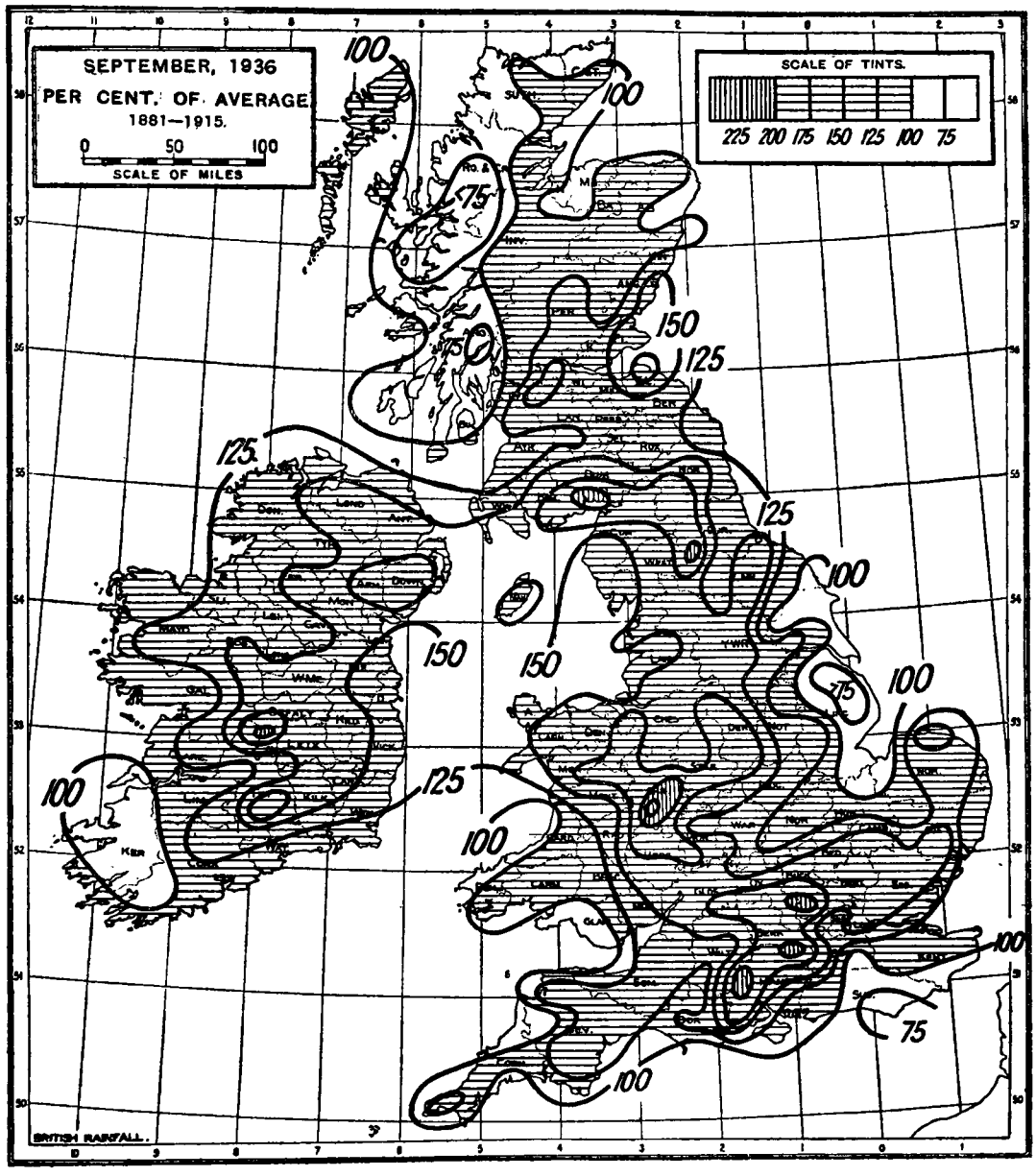


Rainfall, September, 1936.

to +4·9 mb. at Lerwick. At both Kew and Oxford it was the dullest September since before 1881.

The total rainfall was less than the average over the west and north of Scotland, over certain coastal districts of England and Wales, including much of Sussex and the neighbourhood of the Wash and Spurn Head, as well as over the south-west of Ireland. Over much of the remainder

of the country there were substantial excesses, with twice the average at isolated stations. The range was from 51 per cent. at Glenquoich in Inverness-shire, to 248 per cent. at Church Stretton. Out of the total of 5·03 inches at Church Stretton as much as 2·84 inches was

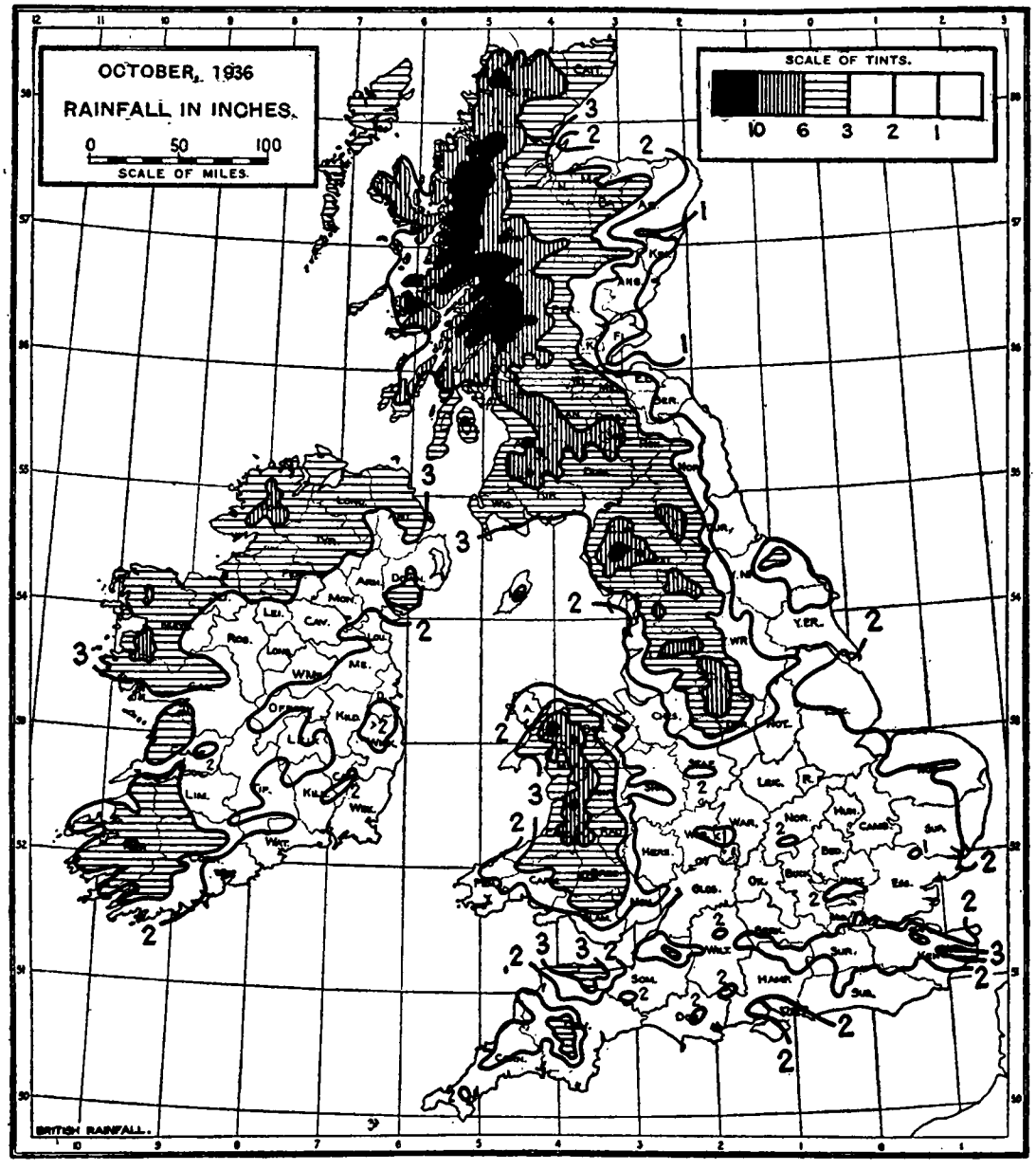


Rainfall, September, 1936, as per cent. of average.

contributed by the 3rd, 7th and 25th, when instability rains occurred.

At most stations in the British Isles the totals were between 3 and 6 inches. Rain spells were recorded during the first fortnight at Denbigh, Dungavel and Delphi Lodge (see Section 4), while droughts occurred towards the end of the month (see Section 3).

October.—The weather was mainly anticyclonic at first but after the 14th there were frequent and unusually severe gales. The periods of strongest winds were the 17th to 19th and 25th to 27th. During the gale on the night of the 26th to 27th a tramcar weighing 15 tons was blown off the rails in Glasgow. The mean pressure

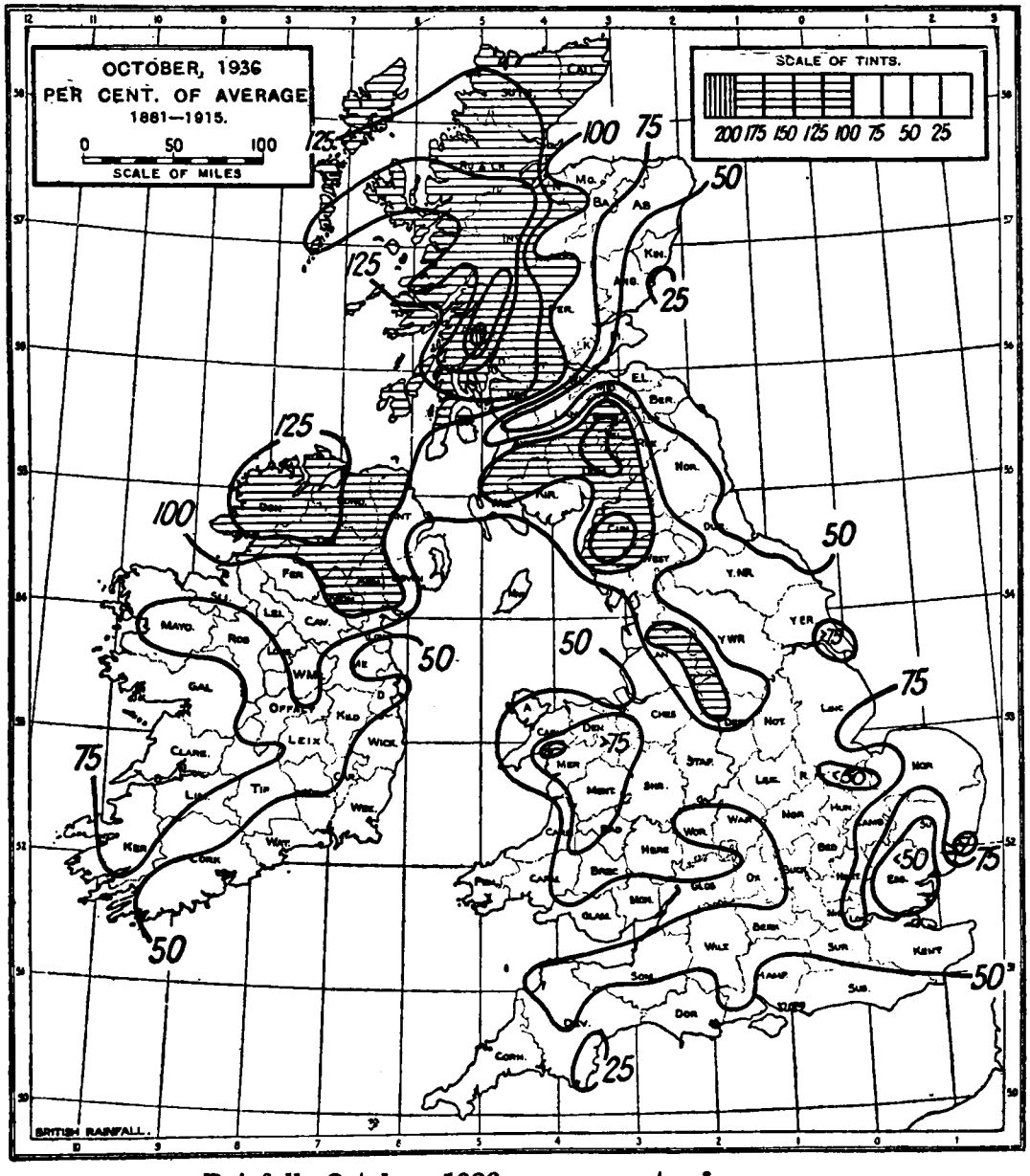


Rainfall, October, 1936.

exceeded the average generally, the excess at 7h. varying from 8·5 mb. at Scilly to ·2 mb. at Lerwick.

The main feature of the rainfall distribution in Scotland was the steep gradient from west to east associated with the unusually stormy south-west winds during the month. The variation was from 201

per cent. at Inveraray Castle to 25 per cent. at Montrose. At Inveraray the total rainfall for the fifteen days, 15th to 29th, was 12·81 inches out of a total of 14·12 inches compared with ·60 inch at Montrose for the same period. Over England and Wales the range was from 17 per cent. at Teignmouth to 134 per cent. at Keswick, and over Ireland



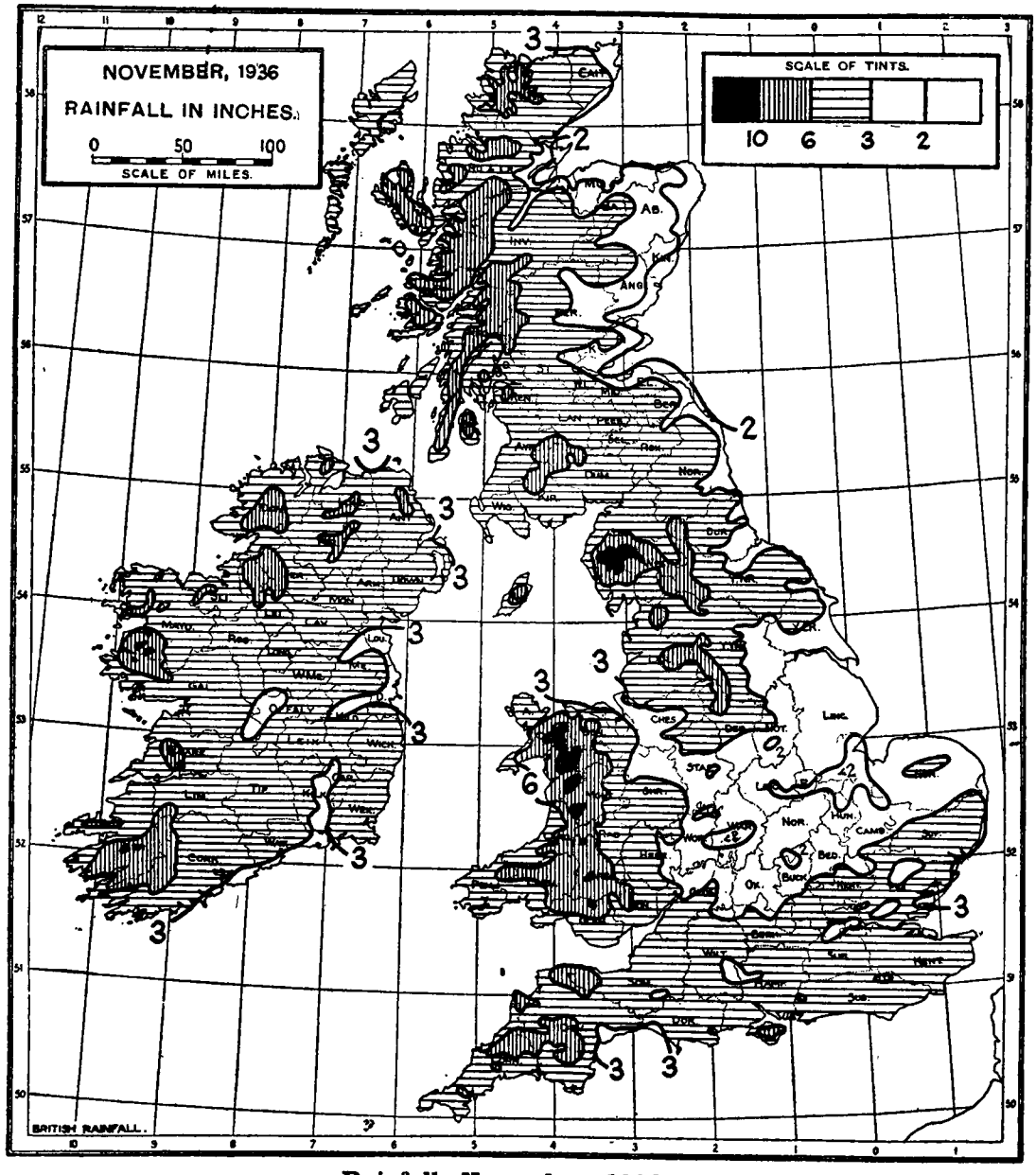
Rainfall, October, 1936, as per cent. of average.

from 36 per cent. at Waterford to 127 per cent. at Londonderry.

The variation in inches over Scotland was from 18 inches at the head of the River Garry to ·7 inch at Montrose.

Details of the heavy rains of the 16th, 17th, 24th and 25th are given in Section 7.

November.—The weather during November was fairly normal for the time of year, although duller than usual. Unsettled conditions prevailed generally until the 17th, but subsequently the weather was quiet with little rain but widespread and often thick fog. The mean pressure for the month was somewhat below the average, the deviations

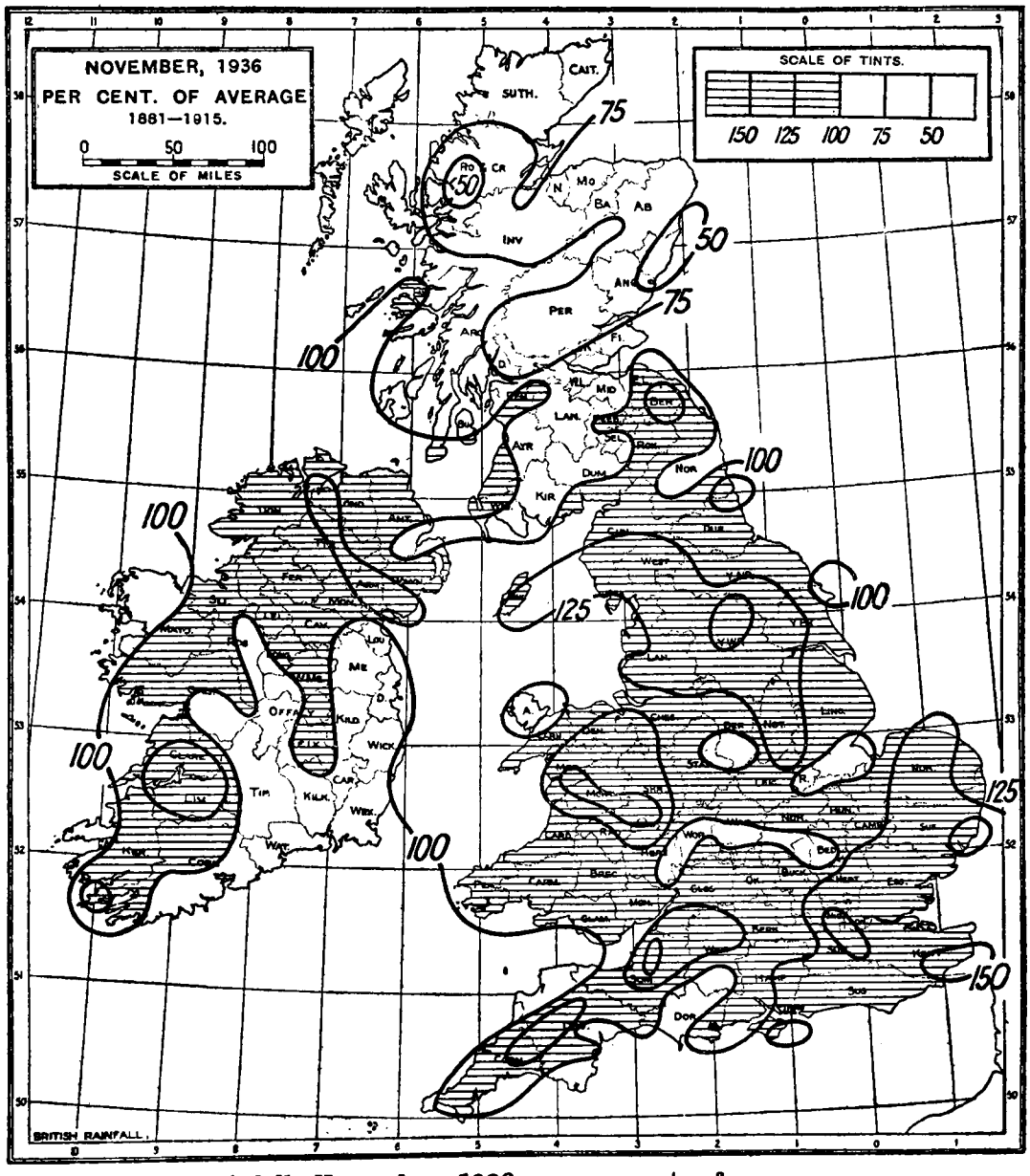


Rainfall, November, 1936.

from the average at 7h. varying from +0·1 mb. at the Scilly Isles to —1·7 mb. at St. Ann's Head.

Rainfalls of less than 75 per cent. of average were confined to a large area in Scotland, with less than 50 per cent. at Montrose, Aberdeen and Achnashellach. Falls of more than 150 per cent. occurred

only in England and Wales, and mainly in isolated areas in the south-east, but also near Weston-super-mare, Montgomery and to the west of York. The largest percentage values occurred at Ventnor and Dolgelley. At Ventnor as much as 3·49 inches, out of a total of 5·26 inches, fell during the six days, the 6th to 11th. At Dolgelley the

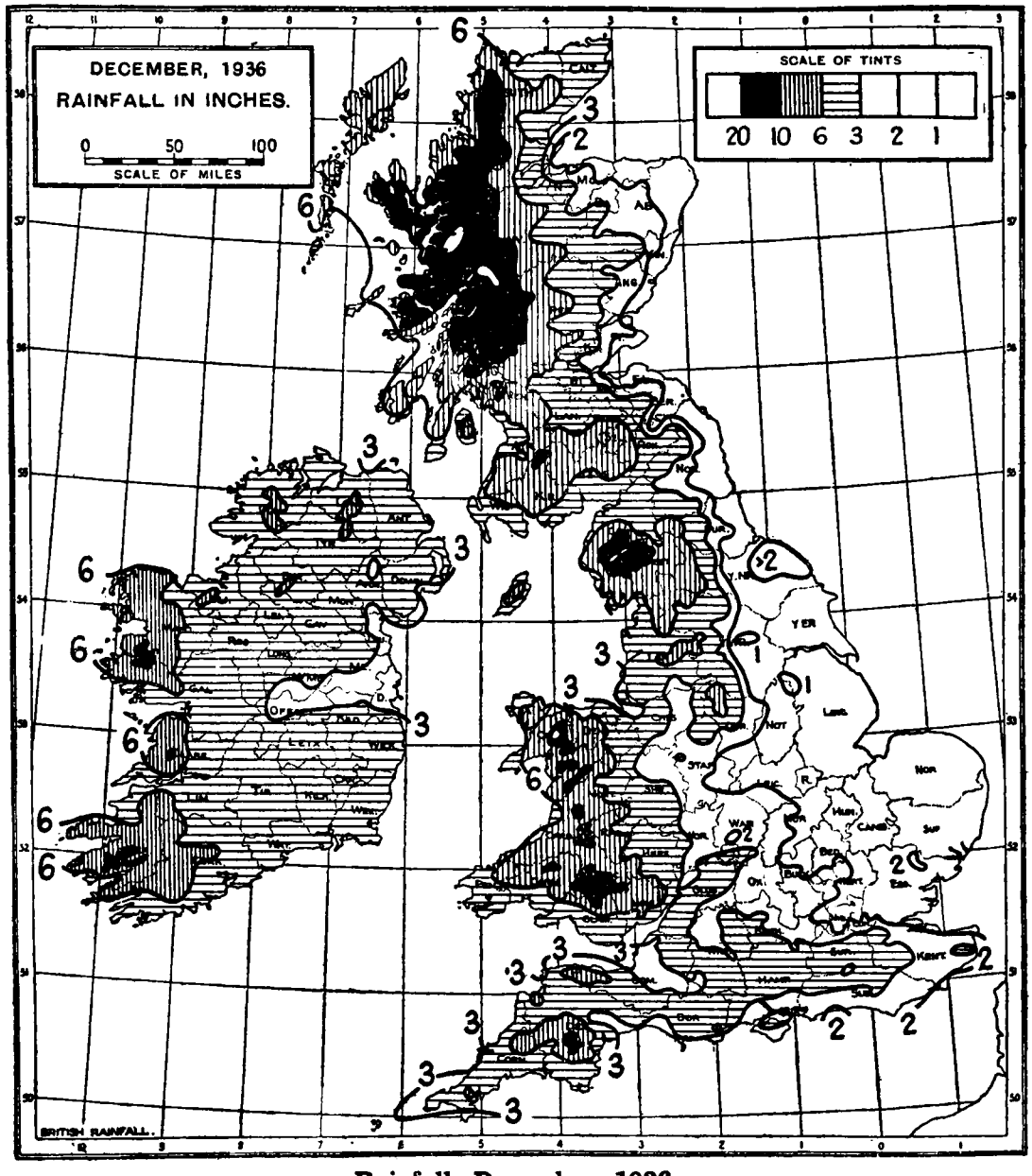


Rainfall, November, 1936, as per cent. of average.

13 days, 4th to 16th, contributed 7·24 inches out of the total of 9·96 inches.

The rainfall varied from rather less than 1·5 inch in the neighbourhood of Lossiemouth to nearly 20 inches on Snowdon.

December.—The weather during December was rather milder and sunnier than usual in most districts. It was unsettled during the first three weeks, with widespread gales between the 13th and 20th and considerable flooding resulting from the heavy rains of the 13th to 15th and 17th to 20th. The mean pressure exceeded the average



Rainfall, December, 1936.

except in the extreme north of Scotland, the deviation at 7h. varying from —3·5 mb. at Lerwick in the Shetland Islands to +7·7 mb. at St. Mary's, Scilly.

The total for the month was less than the average over the south of England, east of Great Britain and south of Ireland, with 46 per

cent. at Hull and 47 per cent. at Gordon Castle, in Morayshire. There was more than 150 per cent. at Llandudno and over small areas in the west of Scotland, the largest percentage values being 182 at Inveraray Gardens and 179 at Loch Ness (Foyers). At Gordon Castle the total was 1·3 inches on 18 days, of which only 10 were wet-days, while at

Rainfall, December, 1936, as per cent. of average.

Inveraray the total was 18·10 inches on 29 rain-days or 27 wet-days, of which 12·4 inches fell on the 15 days, the 7th to the 21st.

Numerous heavy falls were recorded during the month, especially on the 13th, 17th and 19th (see Section 7).

Table XX.—*Monthly Rainfall at* 400 *Stations in the British Isles during* 1936.

ENGLAND

County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
London	2	St. Pancras (Camden Square)	4·02	1·47	1·11	1·36	·48	3·82	2·98	·48	2·99	2·04	3·07	1·87	25·69
Surrey	6	Woking (The Green)	4·72	1·73	1·48	1·72	·96	2·98	3·91	·91	2·76	2·43	3·23	2·48	29·31
Kent	1	Tenterden (Ashenden)	4·68	1·90	1·23	1·59	·34	3·91	4·06	1·54	1·96	1·87	4·52	2·66	30·26
,,	1	Folkestone (Borough Sanatorium)	4·87	2·41	·85	1·89	·15	2·54	5·26	1·76	3·29	2·48	4·43	2·62	32·55
,,	2	Margate (Cliftonville)	3·10	1·83	·95	·98	·23	3·54	3·57	1·26	2·16	1·94	3·26	1·30	24·12
,,	3	Teynham (New Gardens)	4·07	1·73	·73	1·34	·42	3·15	3·11	1·18	1·94	2·23	3·72	1·58	25·20
,,	4	Edenbridge (Falconhurst)	5·38	2·20	1·17	2·19	·61	2·75	4·66	1·86	2·64	2·27	5·02	3·56	34·31
,,	4	Strood Waterworks	4·54	1·58	·94	1·65	·52	4·44	2·83	·95	1·76	1·61	3·71	1·87	26·40
,,	5	Biggin Hill (Aerodrome)	5·99	2·09	1·30	1·96	·51	3·32	4·27	·67	2·22	2·57	4·47	3·24	32·61
Sussex	1	Bognor Regis (Waterloo Square)	4·55	2·76	1·72	1·88	·52	3·06	3·58	·78	2·41	1·20	4·67	2·16	29·29
,,	1	Compton (Compton House)	6·29	3·05	2·97	2·83	·40	3·17	5·64	·91	3·24	1·59	5·44	3·13	38·66
,,	2	Horsham (Wimblehurst)	5·08	2·31	2·38	2·20	·42	3·48	4·92	·43	2·42	1·65	4·79	2·79	32·87
,,	3	Worthing (Beach House Park)	4·02	2·38	1·41	1·79	·41	1·92	4·04	·54	2·24	1·21	5·40	2·06	27·42
,,	4	Balcombe (The Gables)	5·29	2·73	2·05	2·85	·58	4·57	4·96	·67	2·45	1·99	5·80	3·81	37·75
,,	5	Eastbourne (Wilmington Square)	4·76	2·26	1·30	2·08	·21	2·57	5·36	·76	1·72	1·19	6·00	2·39	29·60
Hampshire	1	Ventnor (Royal National Hospital)	5·25	3·11	2·32	1·65	·22	4·09	3·95	·21	2·72	1·39	5·26	2·70	32·87
,,	3	Fordingbridge (Oaklands)	5·95	2·72	3·45	1·76	1·49	2·35	5·25	·41	4·26	2·10	3·75	4·05	37·54
,,	4	Stockbridge (Houghton Lodge)	5·29	2·73	2·50	2·06	·50	2·79	3·53	·57	3·24	1·89	2·88	3·80	31·78
,,	7	Selborne (The Wakes)	6·94	3·36	2·52	2·41	·41	3·72	4·36	·70	3·06	2·17	4·48	4·53	38·66
,,	8	Sherborne St. John	5·00	2·16	1·86	1·72	·41	2·98	4·30	·89	4·15	1·93	3·37	3·13	31·90
Berkshire	4	Bucklebury Place	4·14	1·89	2·37	1·46	·69	2·60	3·61	·48	3·01	1·47	2·86	2·82	27·40
,,	5	Upton (Manor House)	3·37	1·71	1·61	1·23	·68	2·22	3·47	·95	2·56	1·30	2·76	2·27	24·13
Hertfordshire	2	Harpenden (Rothamsted)	3·87	2·12	1·25	1·22	·44	6·04	4·47	·29	3·34	1·62	3·63	2·08	30·37
,,	3	Royston (Therfield Rectory)	3·52	2·08	1·01	1·56	·84	4·92	5·53	·53	2·92	1·71	3·21	1·76	29·59
Buckinghamshire	3	Slough (Upton)	4·61	1·82	1·23	1·63	·43	2·89	2·95	·43	2·45	1·65	3·37	1·85	25·31
,,	3	Hampden House	4·11	1·91	1·63	1·32	2·28	3·44	5·74	·43	3·85	1·36	3·21	2·96	32·24
,,	5	Wolverton (Gables Lodge)	4·12	1·80	1·16	1·61	1·20	3·36	5·05	·31	3·06	1·56	2·28	1·63	27·14
Oxfordshire	3	Oxford (Radcliffe Met. Stn.)	3·16	1·56	1·82	1·64	·42	3·60	3·42	·82	3·29	1·32	2·67	1·99	25·71
Northamptonshire	1	Naseby Reservoir	3·56	2·11	1·62	2·24	·76	3·06	4·94	·60	2·73	1·57	2·56	1·72	27·47
,,	4	Wellingborough (Swanspool)	3·59	1·92	1·42	1·96	1·15	4·39	7·88	·46	2·18	1·66	2·35	1·72	30·68
Huntingdonshire	1	St. Ives (Slepe House)	3·06	2·04	·72	1·47	·85	3·46	5·44	·50	2·17	1·45	2·20	1·57	24·93
Bedfordshire	3	Shefford Council School	3·44	2·20	1·18	2·06	·60	4·87	5·51	·31	3·14	1·86	2·48	1·75	29·40

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*).

County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cambridgeshire .	2	Littleport (Highfield House)	2·84	2·06	·52	1·40	·71	2·87	5·52	·98	2·16	1·35	1·85	1·38	23·64
,,	2	March	2·45	2·02	·74	1·66	1·61	3·15	6·15	·60	1·51	1·07	2·06	1·26	24·28
Essex	1	Elsenham (Gaunts End).....	3·53	2·02	·89	1·37	1·14	3·88	4·43	·70	2·83	1·59	3·92	1·61	27·91
,, ...	2	North Weald (Canes)	3·49	1·62	·96	1·23	·28	4·05	4·07	·55	3·34	1·77	3·05	1·94	26·35
,, ...	3	Shoeburyness	3·44	1·48	·61	1·19	·36	2·59	2·53	1·02	1·46	1·87	3·26	1·29	21·10
,, ...	3	Bradwell-on-Sea (Bradwell Hall) ..	3·94	1·75	·78	1·10	·42	2·20	2·38	·76	2·42	1·39	3·25	1·18	21·57
,, ...	4	Chelmsford (County Gardens)	4·13	1·64	·81	1·29	·78	3·79	3·48	·55	1·87	1·09	3·06	1·79	24·28
,, ...	4	Gt. Bardfield (South Lodge)	3·67	1·99	·80	1·39	1·65	2·41	3·40	·57	2·18	1·82	2·88	1·86	24·62
Suffolk	2	Copdock	3·47	2·70	·59	1·27	·92	3·94	2·85	1·05	1·95	1·82	3·19	1·59	25·34
,, ...	3	Rendlesham Hall	3·94	2·89	·56	1·04	·75	3·48	3·04	·74	2·32	2·64	3·71	1·24	26·35
,, ...	3	Halesworth Rectory	3·41	2·75	·58	1·29	·65	3·18	4·30	1·23	3·01	2·73	3·22	1·83	28·18
,, ...	4	Lowestoft (Sec. School)	2·66	2·70	·41	1·20	·74	2·39	3·42	1·02	2·40	2·28	2·70	1·46	23·38
,, ...	5	Bury St. Edmunds (Westley House)	3·64	3·19	·57	1·45	2·09	2·81	4·33	·98	2·44	1·88	3·40	1·83	28·61
Norfolk.....	1	Diss (The Cedars)	2·24	2·88	·51	1·15	·49	3·61	3·35	1·14	1·76	1·57	2·99	1·47	23·16
,, ...	1	Sprowston (Oak Lodge)	2·56	2·81	·48	1·32	·66	3·18	3·91	1·78	2·86	2·06	2·82	1·42	25·86
,, ...	1	Cawston (The Poplars)	2·54	2·73	·40	1·24	1·91	3·50	4·94	1·77	3·30	2·27	3·26	1·72	29·58
,, ...	3	Sandringham House Gardens	3·02	2·75	·69	1·64	1·29	3·32	6·64	1·48	2·48	2·15	3·18	1·81	30·45
,, ...	3	Wells (Holkham Hall)	2·64	2·42	·63	1·25	2·02	4·20	5·18	1·46	2·96	2·49	2·75	1·75	29·75
,, ...	4	Thetford W. W.	2·78	2·56	·47	1·42	1·08	2·74	4·25	1·36	2·52	1·68	2·89	1·49	25·24
,, ...	4	Swaffham (The Villa)	2·66	2·81	1·02	1·90	1·71	3·68	5·44	1·51	2·93	2·06	3·61	1·99	31·32
Wiltshire	2	Mere (Charnage)	3·49	2·02	3·76	1·98	·64	2·36	5·93	·38	3·21	1·78	3·10	2·46	31·11
,, ...	3	Larkhill (School of Artillery).....	4·12	2·29	2·49	1·47	·50	1·64	4·39	·27	4·17	1·62	2·50	2·93	28·39
,, ...	3	Bishops Cannings	4·01	2·43	3·41	2·60	·99	3·06	4·58	·76	2·92	2·21	3·60	2·86	33·43
Dorsetshire	3	Weymouth (Westham)	4·50	3·29	3·78	1·23	·51	1·39	3·16	·08	2·08	1·16	3·27	3·11	27·56
,, ...	3	Poole	5·33	3·07	3·26	1·56	·65	2·26	4·05	·26	2·95	1·55	3·37	3·84	32·15
,, ...	3	Beaminster (East Street)	6·07	3·51	4·66	2·33	1·23	2·37	6·04	·24	2·98	1·93	3·82	4·59	39·77
Sth. Devonshire	2	Plymouth (The Hoe)	6·57	4·96	3·73	1·84	·60	·99	6·52	·52	2·96	1·11	3·33	3·40	36·53
,, ..	4	Holne (Church Park Cott.)	12·43	6·77	7·25	4·39	1·28	2·30	10·74	·52	4·94	2·35	6·98	13·09	73·04
,, ..	5	Teignmouth (Den Gardens)	6·63	3·77	4·62	2·63	·76	1·28	5·56	·03	2·86	·65	2·75	4·06	35·60
,, ..	6	Cullompton.....	4·92	3·13	3·97	2·42	·65	1·77	6·29	·28	3·06	1·81	3·71	3·65	35·66
,, ..	7	Ottery St. Mary (West Hill)	6·09	4·17	4·58	2·59	·69	2·27	6·32	·14	3·73	1·22	3·09	3·66	38·55
Nth. Devonshire	2	Barnstaple (N. Devon Athenæum).	4·02	2·47	2·39	2·28	·67	2·04	6·55	·60	3·86	2·40	3·88	3·96	35·12

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County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Nth. Devonshire	3	Okehampton (Uplands)	8·52	5·61	3·99	3·23	·89	3·04	11·23	·81	3·08	2·79	7·30	7·82	58·31
,, ..	3	Torrington (Enfield)	4·35	2·56	2·33	2·06	·93	1·86	7·61	·49	3·77	1·63	4·50	4·04	36·13
Cornwall	1	Redruth (Trewirgie)	7·35	7·43	4·93	2·87	1·50	2·30	7·16	·65	3·82	1·82	5·33	5·86	51·02
,,	1	Newquay (Mount Wise)	5·57	4·93	3·88	1·75	1·07	2·50	6·61	·52	2·16	1·48	4·27	2·83	37·57
,,	1	Bude (School House)	4·17	2·42	2·05	1·93	·56	3·21	7·21	·67	2·20	1·80	4·03	3·30	33·55
,,	2	Penzance (Morrab Gardens)	6·59	7·26	4·43	2·92	·89	1·54	7·97	·47	4·14	1·91	5·02	3·90	47·04
,,	2	St. Austell (Trevarna)	8·50	7·69	5·78	3·06	1·25	2·57	8·22	·68	2·83	1·98	6·01	4·95	53·52
,,	2	Bolventor Vicarage	8·78	6·90	7·36	3·51	·82	2·77	13·49	1·40	4·61	3·15	9·30	8·71	70·80
,,	3	St. Mary's (Coast Guard Station)	5·63	7·74	4·26	1·77	1·09	1·36	6·68	·59	1·30	·85	3·72	2·37	37·36
Somersetshire ..	1	Litton (Sherborne Reservoir)	5·29	3·08	4·03	2·65	·94	2·84	6·30	·67	3·43	2·53	5·26	4·37	41·39
,, ..	1	Bath (Henrietta Park)	3·81	2·72	2·33	2·50	·64	1·97	5·84	·30	3·23	1·41	3·26	2·67	30·68
,, ..	2	Street (Millfield)	3·88	2·04	3·16	2·51	1·41	2·07	6·82	·49	3·26	1·63	3·22	2·21	32·70
,, ..	2	Burnham (Chalbury)	3·11	2·28	2·36	2·29	·90	2·84	5·89	·53	3·26	2·18	3·02	2·19	30·85
,, ..	3	Angersleigh (Leigh Court)	5·11	3·12	3·86	2·52	1·08	2·72	5·80	·22	2·39	1·32	4·02	3·33	35·49
,, ..	5	Brushford Rectory	5·86	2·82	3·44	2·40	·95	2·56	7·58	·90	4·20	2·99	5·36	4·22	43·28
Gloucestershire..	3	Cheltenham (Montpellier Gdns.)	3·49	2·36	1·86	2·01	·74	3·77	5·04	·20	3·28	1·53	2·34	3·58	30·20
,, ..	4	Blockley	3·77	2·40	1·91	2·45	·72	2·98	4·92	·45	5·33	1·64	2·42	3·38	32·37
,, ..	7	Lechlade (Claydon House)	3·32	1·97	2·02	1·23	·50	2·20	5·68	·29	2·79	1·72	2·70	2·61	27·03
,, ..	7	Cirencester (Gwynfa)	3·93	2·42	2·06	1·95	1·27	2·50	6·28	·48	4·29	1·44	3·06	3·69	33·37
Herefordshire ..	1	Ross-on-Wye	4·42	2·39	2·57	2·19	·84	3·93	5·85	·17	2·80	1·54	2·46	3·98	33·14
,, ..	1	Hereford (Belmont Abbey)	5·16	2·63	2·80	2·21	·89	3·92	5·22	·16	2·80	1·70	3·12	3·94	34·55
Shropshire	3	Bromfield (Warwick House)	4·20	2·25	2·55	2·26	·76	3·70	4·44	1·16	2·92	1·60	3·81	4·61	34·26
,,	3	Bishops Castle (The Vicarage)	4·08	2·10	2·38	2·35	1·03	3·50	3·71	·44	3·60	1·72	4·40	3·64	32·95
,,	3	Church Stretton (Woolstaston)	4·13	2·89	2·60	2·88	1·12	3·74	6·03	·62	5·03	2·40	4·43	4·67	40·54
,,	4	Shifnal (Hatton Grange)	3·06	2·11	2·15	2·28	1·70	3·37	6·24	·90	3·98	1·85	2·83	2·34	32·81
Staffordshire	2	Market Drayton (Old Springs)	3·23	1·61	2·17	1·49	·70	3·23	4·39	1·08	3·22	1·59	2·73	2·18	27·62
,, ..	3	Lichfield (Hanch Res.)	3·14	2·04	1·60	2·10	·55	5·03	6·39	·59	2·31	1·73	2·84	1·83	30·15
,, ..	3	Stafford (Victoria Pleasure Gdns.)	3·39	1·85	1·85	1·81	·71	4·14	4·81	·87	3·65	1·91	2·83	2·24	30·06
,,	5	Mayfield	4·22	1·91	1·70	1·63	·41	2·86	5·79	1·29	4·66	3·27	3·70	2·59	34·03
,,	5	Leek (Wall Grange P. Stn.)	3·80	1·93	1·82	1·43	·48	2·73	6·17	2·22	4·56	3·69	4·02	3·65	36·50
Worcestershire..	1	Malvern (Free Library)	4·37	2·89	2·71	2·11	·57	4·00	5·33	·40	3·39	1·57	2·59	3·19	33·12
,, ..	2	Stourport (Lincombe Lock)	3·45	2·39	2·67	1·99	1·30	3·52	5·04	·38	2·55	1·21	2·51	2·46	29·47

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County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Warwickshire ..	1	Alcester (Ragley Hall)	2·96	1·93	2·17	1·93	·99	2·97	5·18	·69	3·02	·91	1·99	2·34	27·08
,, ..	1	Warwick Castle Gardens	2·89	1·62	2·25	1·71	·59	3·15	5·05	·51	2·73	1·23	1·87	2·11	25·71
,, ..	1	Coventry City Hospital	2·90	1·81	1·73	1·98	·94	3·04	5·59	·57	3·34	1·30	2·35	2·41	27·96
,, ..	4	Birmingham (Edgbaston)	3·54	2·74	2·30	2·02	·99	3·34	6·59	·82	2·98	1·61	2·91	2·67	32·51
Leicestershire ..	4	Leicester (Town Hall Square).....	3·66	2·31	1·22	2·10	·67	3·96	3·79	1·10	2·17	1·44	1·83	1·65	25·90
,, ..	4	Grantham (Belvoir Castle Gardens)	3·48	1·98	1·10	1·72	1·40	2·53	5·46	1·70	2·67	1·89	2·93	1·61	28·47
Rutlandshire ..	1	Uppingham (Ridlington)	3·81	1·99	1·42	2·30	1·71	3·73	5·50	·97	2·15	1·60	2·03	1·86	29·07
Lincolnshire ..	2	Spalding (Pode Hole)	3·03	2·22	·96	2·04	1·51	3·55	5·07	·84	1·50	1·44	2·10	1·55	25·81
,, ..	3	Boston (Black Sluice, Skirbeck) ..	3·02	2·65	1·17	1·76	·68	3·36	4·28	·98	1·45	2·08	1·87	1·25	24·55
,, ..	3	Cranwell (Aerodrome)	3·30	2·19	1·17	1·71	·73	3·20	4·63	·80	2·30	1·86	2·19	1·52	25·60
,, ..	3	Horncastle	2·62	1·71	·86	1·55	·68	3·17	4·81	1·26	1·78	2·45	2·53	1·42	24·84
,, ..	3	Lincoln (Skellingthorpe Hall)	3·40	2·64	1·18	1·48	·73	4·03	5·19	1·02	2·22	2·25	2·28	1·80	28·22
,, ..	4	Louth (Westgate)	2·89	3·08	·95	1·81	2·07	4·16	3·89	1·34	1·36	2·45	2·76	1·67	28·43
,, ..	5	Brigg (Wrawby Road)	3·25	2·36	·76	1·76	1·63	2·98	4·02	1·41	2·03	1·77	2·23	1·09	25·29
Nottingham....	5	Mansfield (Crow Hill)	3·79	2·72	1·81	1·86	·67	3·55	5·97	1·06	2·75	2·82	3·56	2·29	32·85
,, ...	5	Worksop (Hodsock)	3·45	2·67	1·54	1·27	·67	4·37	3·76	1·16	1·82	1·87	2·45	1·41	26·44
Derbyshire	6	Derby (L.M. & S. Railway)	3·13	1·72	1·72	1·65	·42	3·48	3·97	·93	3·15	1·49	2·05	1·74	25·45
,, ...	6	Matlock Bath (Lower Tower)	4·34	2·69	2·55	1·57	·42	3·17	5·19	1·18	4·02	3·21	3·58	3·13	35·05
,, ...	6	Buxton (Terrace Slopes)	7·23	3·58	3·13	1·91	·51	4·22	7·20	2·23	6·00	6·61	5·74	6·16	54·52
Cheshire	2	Northwich (Hunts Lock).....	3·89	2·01	1·28	1·53	1·19	2·67	3·42	1·61	5·01	2·19	3·02	3·46	31·28
,, ...	3	Birkenhead (Bidston Observatory).	3·92	2·12	1·31	·89	1·01	4·26	2·95	1·50	2·93	1·49	2·76	3·48	28·62
,, ...	4	Eccleston	4·31	1·97	1·67	2·05	1·07	5·34	2·54	1·54	3·90	1·37	2·99	2·81	31·56
South Lancashire	3	Manchester (Whitworth Park)	3·59	1·98	1·47	·91	·57	3·43	3·67	2·37	3·88	2·98	3·67	3·14	31·66
,, ,, ..	3	Bolton (Queen's Park)	5·19	2·45	2·74	1·15	·97	3·53	5·04	2·90	6·34	5·32	6·62	5·22	47·47
Central ,, ..	1	Burnley (Swinden)	4·75	3·04	2·13	1·29	1·37	4·35	4·47	2·97	4·42	4·54	4·87	6·05	44·25
,, ,, ..	1	Stonyhurst College	4·01	2·08	2·43	1·37	1·74	3·55	5·07	3·45	5·46	4·90	5·72	6·48	46·26
North ,, ..	1	Ulverston (Poaka Beck).....	5·82	2·59	3·14	·77	1·21	4·37	4·40	4·52	5·72	3·86	5·95	6·24	48·59
,, ,, ..	4	Lancaster (Greg Observatory)	4·27	2·09	2·03	·56	1·35	3·33	3·43	3·30	5·30	3·60	5·07	5·26	39·59
,, ,, ..	5	Blackpool (Met. Observatory).....	3·61	2·21	1·86	·95	·75	4·15	2·43	2·15	4·35	2·19	4·01	4·97	33·63
Yorkshire, W.R.	2	Settle (Giggleswick School)	5·09	2·24	2·39	·93	1·07	2·93	4·08	2·46	3·80	3·74	5·25	5·57	39·55
,, ,,	7	Doncaster (Airport).....	2·56	2·19	1·22	1·49	·99	4·11	3·89	1·90	2·10	2·04	2·66	1·09	26·24
,, ,,	8	Meltham (Harewood Lodge)	5·37	3·41	3·57	2·05	1·51	5·14	3·67	1·57	5·57	5·49	7·29	5·15	49·79

Table XX.—(*con.*) *Monthly Rainfall*—**ENGLAND**—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in
Yorkshire, W.R. 8	Wakefield (Clarence Park)	3·07	2·88	1·73	1·29	1·33	4·03	3·69	1·40	2·43	2·07	3·09	1·32	28·33
,, ,, 10	Ilkley (Spence's Garden)	5·00	2·86	2·66	1·35	1·62	3·89	4·43	2·35	2·83	3·20	4·38	4·25	38·82
,, ,, 10	Oughtershaw Hall	5·95	3·26	3·78	1·53	1·79	5·06	6·98	3·17	3·45	6·76	7·28	8·47	57·48
,, ,, ..11	Harrogate (Harlow Moor Obsy.) ..	4·26	2·44	2·49	1·65	2·11	4·46	3·97	1·93	2·29	1·70	3·20	2·22	32·72
,, E.R... 2	Birdsall Gdns	4·82	2·93	1·52	1·67	1·55	3·04	3·36	2·70	2·06	2·14	3·33	1·81	30·93
,, ,, .. 3	Patrington (Rose Cottage)	3·33	2·61	·58	1·62	1·55	3·20	4·22	1·88	1·84	1·45	2·37	1·35	26·00
,, ,, .. 3	Hull (Pearson Park)	(3·20)	(2·50)	(·80)	(1·90)	(1·60)	(3·10)	(3·80)	(1·20)	(2·00)	(2·10)	(2·70)	(1·10)	(26·00)
,, ,, .. 3	Holme-on-Spalding Moor	3·44	2·23	1·12	1·66	1·56	2·75	3·61	1·77	2·30	1·72	3·27	1·41	26·84
,, ,, .. 3	Lowthorpe (The Elms)	3·43	2·96	1·22	1·76	1·57	2·26	3·14	2·20	2·49	2·32	3·34	1·47	28·16
,, N.R... 1	Masham Moor (Roundhill Res.) ...	5·95	4·39	2·50	1·94	2·64	6·54	2·98	2·08	2·60	2·34	3·85	3·38	41·19
,, ,, .. 1	West Witton (Ivy House)	4·98	3·33	2·18	1·34	1·99	6·66	3·35	1·71	3·01	2·23	3·54	5·09	39·41
,, ,, .. 2	Felixkirk (Mount St. John)	3·68	3·01	1·91	1·60	1·26	3·58	4·53	2·96	2·76	1·50	3·22	1·76	31·77
,, ,, .. 2	Reeth (Arkengarthdale)	5·37	3·78	2·46	1·66	1·91	5·14	3·21	3·80	4·84	3·52	4·28	6·28	46·25
,, ,, .. 3	York (Museum Gardens).....	3·31	1·99	1·01	1·48	1·31	3·51	3·01	1·95	1·61	1·47	2·89	1·30	24·84
,, ,, .. 5	Scarborough.....	3·97	2·30	1·04	1·03	2·04	2·12	2·88	2·44	1·73	1·88	2·46	2·26	26·15
,, ,, .. 5	Whitby (Mulgrave Castle)	3·94	2·15	·91	1·14	2·44	3·83	2·55	2·25	3·24	1·99	2·47	2·21	29·12
,, ,, .. 6	Middlesbrough (Albert Park) ...	3·04	2·95	1·30	1·10	1·70	3·57	3·45	2·10	2·93	1·34	2·42	1·13	27·03
Durham 2	Burnhope (Lodgegill Mine)	8·62	3·65	8·70	3·45	2·25	4·10	6·80	3·05	6·45	8·90	6·80	8·80	71·57
,, ... 2	Durham (Houghall Hort. Stn.)....	4·14	3·70	2·30	1·63	1·70	3·57	2·98	1·88	2·83	1·43	3·17	1·89	31·22
,, ... 2	Weardale W.W. (Waskerley)	4·53	2·94	2·64	1·98	1·46	3·89	3·11	1·78	3·77	2·37	3·47	2·65	34·59
Northumberland 3	Newcastle (Leazes Park).....	3·39	3·19	2·19	1·52	1·70	3·20	2·77	2·32	2·65	1·63	3·35	1·36	29·27
,, .. 4	Hallington Res. (Newcastle W.W.)	3·71	2·66	2·25	1·46	1·58	2·28	2·98	1·74	4·50	2·47	3·12	1·98	30·73
,, .. 4	Bellingham (Highgreen)	5·13	2·84	2·98	1·80	2·00	1·72	5·27	1·84	4·72	2·86	3·17	2·95	37·28
,, .. 5	Morpeth (Cockle Pk.)	3·91	3·01	2·51	1·31	1·49	2·94	3·45	2·00	3·72	1·49	2·99	1·52	30·34
,, .. 5	Howick Hall Gardens	4·26	3·11	2·44	·98	1·43	2·59	2·92	1·45	3·34	1·65	2·78	1·51	28·46
,, .. 6	Ilderton (Lilburn Tower Gardens) .	4·87	4·05	2·00	1·61	1·47	2·42	3·18	1·26	2·86	1·56	3·49	1·72	30·49
Cumberland.... 1	Penrith (Newton Rigg)	3·50	2·20	1·54	·84	1·23	2·63	4·67	1·41	4·06	4·22	3·77	4·55	34·62
,, ... 1	Geltsdale.....	3·11	2·91	1·40	1·29	·69	3·00	4·89	1·73	3·69	3·90	3·46	5·05	35·12
,, ... 1	Carlisle (Scaleby Hall)	3·35	1·78	1·31	·93	·76	2·67	4·65	2·11	5·13	3·40	3·48	3·63	33·20
,, ... 2	Borrowdale (Stockley Bridge)	16·25	6·25	9·50	2·50	2·00	8·00	(16·00)	5·50	15·00	15·75	17·75	22·00	136·50
,, ... 2	Keswick (High Hill)	6·72	3·48	2·32	·97	1·12	3·75	6·63	1·70	6·85	7·53	6·37	9·27	56·71
,, ... 3	Ravenglass (The Grove)	4·70	2·00	3·15	·70	·95	5·03	4·29	3·50	4·44	3·22	6·10	5·67	43·75

Table XX.—(*con.*) *Monthly Rainfall*—**MONMOUTH AND WALES, AND THE ISLANDS.**

County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in
Westmorland	1	Kirkby Stephen (Eden Place)	5·50	2·78	2·00	·77	·90	2·57	3·65	2·45	5·88	3·98	5·09	7·68	43·25
,,	1	Appleby (Castle Bank)	4·80	1·90	1·89	·64	·70	2·82	5·07	1·65	4·15	3·36	4·26	5·85	37·09
,,	3	Kendal Gasworks	5·10	2·14	2·55	·64	1·20	3·59	4·77	3·67	5·92	4·60	5·22	7·86	47·26
Monmouth	3	Newport W.W. (Nantypridd)	4·71	2·69	4·31	3·51	1·23	5·31	9·27	·92	3·85	2·16	4·77	6·11	48·84
,,	3	Abergavenny (Larchfield)	6·87	3·39	3·60	2·41	1·43	4·88	6·23	·31	3·50	1·85	4·23	6·57	45·27
Glamorgan	3	Swansea (Victoria Park)	6·81	2·32	3·54	4·37	·78	2·62	7·72	1·60	4·45	2·27	6·02	4·23	46·73
,,	3	Ystalyfera (Wern House)	7·64	2·57	4·48	3·52	1·53	4·95	9·83	3·17	4·09	3·61	6·87	8·00	60·26
,,	5	Cardiff (Ely Pumping Station)	4·15	1·70	3·88	3·02	1·94	3·38	7·30	1·16	3·11	1·96	4·26	3·99	39·85
,,	6	Treherbert (Tyn-y-waun)	11·86	4·35	6·84	5·12	1·92	4·83	14·26	2·68	6·05	5·06	11·48	13·95	88·40
Carmarthen	2	Carmarthen (Model and Prac. Sch.)	8·45	2·57	3·39	3·55	1·90	4·64	7·07	2·45	4·24	2·59	6·16	7·94	54·95
,,	2	Abergorlech	8·69	3·90	3·08	3·63	1·78	3·24	7·75	1·93	4·19	3·83	6·89	10·57	59·48
Pembroke	4	Pembroke (Stackpole Court)	6·46	3·35	3·17	3·10	1·49	2·69	6·15	·68	3·21	1·73	5·92	4·34	42·29
,,	4	Haverfordwest (Picton Castle)	8·19	3·87	3·98	2·98	1·41	2·64	6·68	2·14	3·99	2·00	7·17	5·58	50·63
Cardigan	2	Aberystwyth (Plant Breeding Stn.)	4·62	1·73	1·99	1·71	1·86	3·81	6·82	1·40	5·42	4·08	5·18	5·60	44·22
,,	3	Cardigan (Plas Llangoedmore)	7·40	2·57	2·81	2·95	1·23	2·80	4·88	·71	2·54	2·06	4·00	6·02	39·97
,,	3	Lampeter (Falcondale)	7·68	3·56	2·65	3·43	1·87	2·99	7·35	·81	5·81	3·25	5·98	7·70	53·08
,,	5	Plynlimon	15·00	(4·50)	5·00	(5·50)	(4·50)	(8·50)	14·00)	(3·00)	(8·50)	10·50	13·50	(16·00)	108·50
Brecon	7	Cray Post Office	9·25	3·50	4·25	1·25	1·00	5·75	17·50	2·50	4·25	4·75	11·50	14·25	79·75
Radnor	1	Llandrindod Wells (Howey)	6·18	2·19	3·26	2·87	2·11	5·17	6·19	·53	4·14	4·05	5·35	6·70	48·74
,,	1	Birmingham W.W. (Tyrmyndd)	9·53	3·66	4·00	4·10	2·23	6·61	7·91	·80	4·79	5·15	7·54	9·83	66·15
Montgomery	4	Newtown (Penarth Weir)	5·38	2·23	2·79	2·75	2·20	5·91	4·11	·70	3·33	3·34	5·21	5·38	43·33
,,	5	Welshpool (County School)	4·07	1·48	2·12	1·72	1·20	3·62	4·39	·47	3·12	2·06	3·09	3·74	31·08
,,	5	Lake Vyrnwy	8·86	2·78	4·79	2·84	1·76	6·48	8·51	2·37	6·31	5·59	7·61	9·27	67·17
Denbigh	1	Wrexham (Pack Saddle Res.)	4·83	3·33	2·51	2·43	1·36	4·19	4·64	·75	3·63	1·65	3·85	4·74	37·91
,,	2	Llyn Aled (Rhyd-y-Bedd)	6·39	3·22	5·09	2·83	3·19	5·95	6·10	1·61	5·99	4·70	7·02	8·01	60·10
,,	2	Llangynhafal (Plâs Drâw)	4·23	3·96	2·58	1·99	2·42	6·44	4·07	·83	4·04	2·07	3·41	4·92	40·96
,,	2	Denbigh (Garn)	4·77	3·33	2·47	1·42	2·76	5·07	3·66	1·28	4·14	2·24	3·89	5·88	40·91
Merioneth	3	Blaenau Festiniog (Oakeley Q.)	7·53	3·77	4·85	4·43	3·03	10·22	12·40	10·08	10·96	11·10	12·21	14·09	104·67
,,	4	Dolgelley (Bontddu)	7·69	2·93	3·87	2·19	2·14	5·99	10·14	3·11	6·94	4·79	9·96	8·69	68·44
Carnarvon	2	Llandudno (Cricket Ground)	3·90	2·24	2·33	1·13	3·03	3·21	2·95	·59	3·22	2·04	3·00	4·43	32·07
,,	3	Bethesda (Penrhyn Quarries)	8·33	5·51	4·53	2·43	2·68	7·06	5·76	2·49	3·77	4·67	9·62	6·82	63·67
,,	4	Pwllheli (Bodfean Hall Gardens)	5·79	3·24	4·01	1·39	1·78	5·09	6·10	2·87	4·71	2·63	5·67	5·82	49·10

Table XX.—(*con.*) *Monthly Rainfall*—MONMOUTH AND WALES—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Carnarvon 5	Snowdon (Cwm Dyli)	12·85	7·14	7·42	3·46	2·94	9·67	10·96	7·79	12·41	10·10	14·98	16·36	116·08
Anglesey	Holyhead (Salt Island).....	4·85	2·47	2·71	1·36	1·22	4·99	3·67	2·10	3·49	2·00	3·44	5·63	37·93
,, ...	Llanerchymedd (Llwydiarth Esgob)	5·60	3·02	2·26	1·60	1·44	4·12	4·64	2·01	3·82	2·55	4·54	4·63	40·23
ISLE OF MAN.														
Isle of Man.....	Douglas (Borough Cemetery)	6·44	3·71	2·67	1·11	3·11	3·37	5·75	3·32	5·93	3·00	6·13	5·88	50·42
,, ...	Point of Ayre.....	4·55	2·11	2·09	·84	3·32	2·59	3·78	1·95	4·16	2·54	4·33	4·27	36·53
CHANNEL ISLANDS.														
Jersey	St. Heliers (Harbour Office)	6·03	2·76	2·60	1·62	·93	2·21	3·11	·74	2·22	1·30	4·76	1·43	29·71
Guernsey	St. Martin's (Les Blanches)	6·13	4·69	2·82	1·41	·65	1·44	5·06	·62	3·86	2·17	5·18	1·95	35·98
Sark	Pointe Robert	5·99	3·59	2·95	1·02	·62	2·45	4·54	·47	2·86	1·08	4·68	1·92	32·17
Alderney	St. Anne's.....	6·42	2·80	2·61	1·29	·70	1·65	4·53	·54	3·26	1·81	4·44	2·32	32·37
SCOTLAND.														
Wigtownshire .. 3	Port William (Monreith)	5·16	1·94	2·16	·59	3·56	2·96	5·92	2·81	4·91	2·95	3·44	4·00	40·40
,, .. 4	Kirkcowan (Craighlaw)	5·64	2·41	2·58	·87	3·71	3·32	6·80	4·47	5·73	5·17	5·24	6·03	51·97
Kirkcudbright.. 3	Dalry (Glendarroch)	7·75	3·03	3·79	1·04	1·86	2·40	6·10	2·97	6·18	5·94	5·93	6·66	53·65
Dumfriesshire .. 3	Dumfries (Crichton R. Institute) ..	5·21	2·13	2·67	·65	1·35	2·68	4·23	1·51	5·28	3·36	3·83	5·12	38·02
,, .. 3	Moniaive (Glencrosh)	7·53	2·96	4·74	1·46	1·27	2·62	5·79	2·87	5·37	6·04	6·29	7·66	54·60
,, .. 5	Langholm (Ewes)	7·12	3·02	3·96	1·46	·32	3·07	6·50	3·13	6·10	6·10	4·90	7·60	53·28
,, .. 5	Eskdalemuir Observatory	8·18	3·39	4·58	1·47	·61	2·88	6·87	3·22	5·59	6·85	5·35	9·46	58·45
Roxburghshire.. 3	Hawick (Wolflee)	5·41	3·81	2·93	1·69	·86	2·49	5·93	1·18	3·40	2·92	4·14	4·00	38·76
Selkirkshire 2	Ettrick Manse	7·25	3·84	4·39	1·31	·59	2·28	6·89	2·79	4·49	6·85	4·16	8·65	53·49
Peeblesshire.... 1	Edin. W.W. (Victoria Lodge)	6·40	4·31	3·43	1·49	·72	3·27	4·93	1·88	3·49	5·50	4·78	7·09	47·29
,, ... 2	Stobo Castle.....	4·72	3·52	2·00	1·39	·78	1·71	4·85	1·67	3·50	4·68	3·73	5·48	38·03
Berwickshire ... 4	Marchmont House	4·33	3·95	2·52	1·63	1·56	1·32	2·37	1·66	3·41	1·81	4·03	2·11	30·70
East Lothian .. 5	North Berwick Reservoir.....	3·51	2·75	1·71	1·08	1·98	2·18	3·57	2·11	3·90	1·25	2·31	1·43	27·78
Midlothianshire.. 4	Moorfoot Hills (Gladhouse Res.) ..	5·34	3·98	2·92	2·02	·98	1·80	7·59	1·92	3·29	3·18	3·79	2·95	39·76
,, .. 5	Pentland Hills (Harperrig)	4·52	4·51	2·51	1·89	·87	1·81	4·77	2·02	3·10	3·11	3·92	3·53	36·56
,, .. 5	Edinburgh (Blackford Hill)	3·59	2·44	1·74	1·41	·83	1·28	4·36	1·19	2·92	1·35	2·11	1·95	25·17

Table XX.—(*con.*) *Monthly Rainfall*—**SCOTLAND**—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lanarkshire ... 5	Strathaven (Dungavel)	4·83	2·40	2·85	1·01	2·05	2·20	6·20	3·40	3·70	6·53	4·51	6·95	46·63
Ayrshire 3	Kilmarnock (Kay Park)	4·17	1·54	2·35	1·07	1·76	1·80	6·09	4·33	3·81	5·28	3·97	6·11	42·28
,, ... 6	Maybole (Culzean Castle Gardens)	3·89	1·86	1·76	·74	3·67	2·29	6·17	3·60	4·62	5·27	3·52	5·23	42·62
,, ... 8	Girvan (Pinmore)	5·95	1·94	2·97	·95	3·23	2·70	7·43	4·15	4·71	5·47	5·87	5·87	51·24
,, ...13	Glen Afton (Ayr Sanatorium)	8·05	3·03	3·55	1·42	2·48	2·01	7·06	2·64	4·46	5·52	5·47	9·78	55·47
Renfrewshire .. 1	Paisley W. W. (Back Thornlymuir)	4·89	2·66	3·56	1·75	1·81	2·00	7·48	3·30	4·88	7·21	5·44	8·55	53·53
,, .. 2	Glasgow (Queen's Park)	4·69	1·75	2·73	1·06	1·66	1·61	5·10	2·97	4·23	4·05	3·93	6·13	39·91
,, .. 3	Greenock (Prospect Hill)	6·55	3·74	4·04	1·55	2·73	1·73	6·66	2·75	4·12	7·72	4·94	9·90	56·43
Stirlingshire.... 1	Falkirk (Westbank Garden)	4·91	2·32	2·48	1·25	·73	1·61	4·46	2·29	3·56	3·79	3·30	4·30	35·00
Buteshire 1	Port Bannatyne (Ettrickdale)	5·72	2·84	4·05	1·37	3·12	2·17	5·72	3·28	4·42	6·17	3·97	6·40	49·23
,, ... 3	Dougarie Lodge	4·02	2·15	2·94	1·16	3·34	1·69	5·11	2·44	3·78	4·49	5·13	5·37	41·62
Argyllshire..... 2	Loch Sunart (Glenborrodale)	3·46	3·01	4·67	1·40	4·36	2·63	4·73	4·55	4·80	10·10	8·51	11·10	63·32
,, ... 3	Corran Lighthouse	3·11	2·93	3·86	2·23	3·02	3·55	6·76	6·30	3·53	11·22	7·07	17·27	70·85
,, ... 7	Oban	3·06	2·65	2·16	1·56	2·93	2·51	4·82	3·50	3·38	7·16	4·52	9·83	48·08
,, ... 8	Lochgilphead (Poltalloch)	4·40	2·98	4·11	2·05	5·87	3·53	5·12	4·28	4·37	7·88	5·33	9·48	59·40
,, ... 9	Mull of Kintyre	4·19	2·51	2·90	·63	2·97	1·93	6·12	3·05	3·49	3·05	3·65	3·55	38·04
,, ...10	Skipness (Claonaig)	4·57	2·58	3·60	1·40	3·15	1·95	5·86	3·42	4·80	5·62	3·65	6·66	47·26
,, ...11	Ardrishaig (Canal Office)	5·25	4·53	4·96	1·65	4·90	2·80	5·40	5·00	5·84	9·93	6·22	10·43	66·91
,, ...11	Inveraray Castle Gardens	6·05	4·64	5·43	3·42	3·65	3·99	6·58	6·86	4·75	14·12	7·67	18·10	85·26
,, ...12	Loch Eck (Ben More)	8·46	5·38	6·13	2·54	3·16	3·28	8·03	5·01	7·12	11·85	7·82	13·80	82·58
,, ...14	Islay (Eallabus)	4·53	3·03	3·90	1·93	2·49	2·75	4·09	3·36	3·55	5·46	5·13	6·77	46·99
,, ...14	Jura (Ardfin)	3·90	3·32	4·02	1·79	3·03	2·65	5·00	3·09	4·46	5·84	4·63	6·94	48·67
,, ...14	Colonsay	3·14	3·05	3·62	1·11	2·96	2·50	3·36	3·68	2·91	5·66	5·04	8·44	45·47
,, ...14	Seil (Easdale)	3·75	3·88	3·75	1·47	4·28	3·08	4·37	5·10	3·86	8·06	5·15	8·15	54·90
,, ...14	Lismore (Mousedale)	2·34	2·96	2·31	1·40	2·89	1·95	4·37	3·86	3·20	6·59	3·63	8·28	43·78
,, ...14	Mull (Bunessan)	4·26	2·91	4·45	1·29	3·77	2·55	4·32	4·28	4·31	5·58	4·08	6·12	47·92
,, ...14	Mull (Gruline)	4·70	4·22	5·30	2·11	5·75	3·09	5·40	3·87	6·03	10·36	6·55	12·86	70·24
,, ...14	Tiree	3·08	2·45	2·54	1·46	2·30	2·19	2·24	2·74	4·08	3·78	4·39	4·59	35·84
Kinross..... 2	Loch Leven Sluice	4·85	3·46	2·55	1·16	·57	1·05	4·78	1·76	3·74	2·61	3·04	3·36	32·93
Fifeshire 3	Leuchars (Aerodrome)	4·07	3·53	2·33	·52	1·28	1·56	5·33	·96	2·93	1·12	1·74	1·57	26·94
Perthshire 1	Loch Dhu	7·70	4·70	6·20	2·65	2·60	2·75	6·85	4·20	7·05	10·05	5·25	13·40	73·40
,, ... 3	Glengyle	8·55	5·40	5·95	3·70	3·05	3·10	9·25	5·15	5·70	10·85	6·45	18·10	85·25

Table XX.—(*con.*) *Monthly Rainfall*—**SCOTLAND**—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Perthshire 4	Glendevon (Glenquey Reservoir) ..	3·95	3·28	3·20	2·07	1·17	2·41	6·21	4·78	4·27	6·10	4·58	6·09	48·11
,, ... 7	Lochearnhead (Edinchip)	7·20	3·45	4·21	1·84	2·44	2·50	7·99	3·13	4·39	8·88	4·78	12·90	63·71
,, ... 7	Crieff (Strathearn Hydro)	4·98	2·80	2·60	1·17	1·45	1·87	4·84	2·04	4·26	2·93	2·67	4·83	36·44
,, ... 8	Perth (Wellshill Cemetery)	4·38	3·12	1·96	·55	·36	1·79	4·39	1·61	3·34	2·24	2·22	4·00	29·96
,, ...11	Aberfeldy (Dall Avon)	5·14	2·20	2·24	·64	1·10	1·48	4·25	1·99	3·22	3·03	3·27	6·36	34·92
,, ...14	Loch Rannoch (Dall)	4·76	2·59	1·91	1·51	1·43	1·52	4·28	1·66	2·84	5·70	3·52	8·54	40·26
,, ...14	Blair Atholl (Blair Castle Gdns.)...	2·94	1·66	1·69	·65	·87	1·60	4·99	2·66	2·95	3·86	2·69	5·24	31·80
,, ...15	Kirkmichael (Ballintuim House) ..	5·23	3·13	3·06	·71	·91	1·61	4·83	2·13	4·64	3·02	3·17	4·90	37·34
Angus 1	Kettins School	5·17	3·70	2·02	·53	·46	1·89	3·11	1·35	2·65	1·81	1·98	3·24	27·91
,, ... 1	Kirriemuir (Lintrathen)	3·95	2·64	2·07	·65	·73	2·83	5·51	1·63	4·19	2·25	2·28	3·50	32·23
,, ... 3	Arbroath (W. Cemetery)	4·51	2·83	2·49	·52	1·32	·46	3·39	1·00	3·52	·78	1·68	1·46	23·96
,, ... 4	Montrose (Sunnyside Asylum)	4·30	2·72	1·89	·34	1·04	1·31	4·12	·89	3·12	·88	1·19	1·97	23·77
Kincardineshire 3	Strachan (Bridge of Dye)	7·71	5·52	3·33	1·10	1·76	1·83	5·46	1·56	2·93	1·25	2·41	3·64	38·50
Aberdeenshire .. 1	Braemar (Bank)	4·26	2·00	1·48	·83	2·43	·97	3·14	1·50	3·03	3·04	2·98	4·09	29·75
,, .. 1	Balmoral Castle Gardens	4·25	2·30	1·30	1·25	1·64	1·10	3·44	1·19	2·93	2·60	2·74	3·59	28·33
,, .. 1	Logie Coldstone School	3·53	(3·50)	1·12	·79	1·47	1·49	(4·00)	1·92	2·34	1·69	2·35	1·81	(26·01)
,, .. 2	Aberdeen Observatory	4·44	1·91	1·63	·70	1·18	·84	4·67	1·41	2·60	1·18	1·36	1·98	23·90
,, .. 3	Ellon (Esslemont House)	5·54	2·58	1·36	1·08	1·28	1·08	4·71	1·42	2·64	2·35	2·02	2·22	28·28
,, .. 4	New Deer Schoolhouse	4·17	2·78	1·10	·87	1·24	1·02	3·51	1·85	2·95	2·28	2·35	1·66	25·78
,, .. 4	Peterhead (Forehill Works)	4·16	1·59	1·20	·90	·87	·70	3·90	1·42	3·99	2·28	2·08	2·40	25·49
,, .. 5	Huntly (Cruchie)	4·43	2·71	1·09	·89	1·26	1·79	4·06	2·89	2·06	2·07	2·27	1·80	27·32
Banffshire 1	Banff	2·79	1·96	·75	·65	1·05	1·56	3·99	1·89	2·06	2·13	1·56	1·74	22·13
Morayshire..... 2	Fochabers (Gordon Castle)	4·07	1·29	·63	·97	·82	1·52	4·20	1·87	2·52	2·57	1·65	1·27	23·38
,, ... 3	Grantown-on-Spey	2·84	1·52	·81	1·40	1·60	1·02	5·02	1·99	2·22	3·24	2·08	2·24	25·98
,, ... 3	Aberlour (Wester Elchies)	3·67	1·29	1·00	1·13	1·49	2·02	5·26	2·45	2·66	1·80	1·63	2·00	26·40
Nairnshire 2	Nairn Golf Course	2·57	1·40	·83	·74	1·23	1·01	4·65	2·09	2·26	2·33	1·47	2·59	23·17
Inverness-shire... 3	Cluny Castle.....	2·21	1·42	1·36	1·63	·81	1·37	5·69	2·57	4·52	5·68	3·03	7·77	38·06
,, .. 3	Kingussie (The Birches)	2·82	1·58	·91	1·26	1·77	1·36	4·45	1·48	3·32	4·86	3·39	5·30	32·50
,, .. 6	Loch Ness (Foyers).....	2·07	2·08	1·33	1·29	1·14	1·24	4·92	1·92	3·22	5·18	2·45	7·91	34·75
,, .. 7	Loch Quoich (Glenquoich).....	5·32	4·35	5·18	2·80	2·57	2·80	6·03	6·52	4·36	15·60	7·42	21·25	84·20
,, ..12	Loch Nevis (Inverie Gardens).....	4·26	3·16	4·11	2·37	2·83	3·35	5·19	6·23	4·21	10·42	5·06	13·62	64·81
,, ..13	Arisaig House	2·50	2·37	3·10	1·24	2·99	2·78	6·15	4·81	3·55	7·39	5·29	10·18	52·35

Table XX.—(*con*). *Monthly Rainfall*—**SCOTLAND**—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Inverness-shire..17	Fort William (The Factory)	3·28	2·68	3·11	2·63	2·20	2·27	6·46	4·28	4·00	10·27	5·04	17·16	63·38
,, ..17	Glenleven (Corrour)	3·20	3·12	2·95	2·70	2·28	2·13	5·50	3·82	6·20	11·42	6·66	8·72	58·70
,, ..18	Isle of Eigg	2·65	2·46	3·33	1·41	3·58	3·11	4·61	4·54	3·93	9·70	5·20	10·30	54·82
,, ..18	Skye (Kyleakin, Dunringell)	3·90	2·35	3·15	1·80	2·23	1·73	3·34	3·18	3·37	7·31	5·73	13·48	51·57
,, ..18	Skye (Portree)	4·22	2·49	2·88	2·48	2·57	2·11	4·94	4·61	3·53	8·43	5·04	10·09	53·39
,, ..18	Skye (Dunvegan)	2·94	2·53	2·87	1·73	2·32	1·92	3·15	4·64	2·98	6·62	6·13	10·64	48·47
,, ..19	Barra (Skallary)	2·48	2·28	2·47	1·28	2·30	2·05	2·87	3·67	3·27	4·98	4·02	5·28	36·95
,, ..19	N. Harris (Amhuinnsuidh Castle)..	3·94	2·42	2·89	2·51	2·17	1·65	4·09	5·07	4·97	7·44	5·48	8·11	50·74
Ross and Cromarty .. 1	Glenmoriston (Cluanie Lodge)	4·07	3·47	4·35	2·13	2·78	2·16	6·37	4·69	4·08	6·13	5·36	20·00	65·59
,, .. 3	Fortrose	1·88	1·35	·94	·95	1·17	·81	5·25	1·52	3·32	3·27	1·80	3·47	25·73
,, .. 4	Dingwall (The Academy).....	2·86	1·58	1·14	1·03	·87	·57	4·16	1·23	3·06	4·28	2·29	5·13	28·20
,, .. 4	Alness (Ardross Castle)	4·87	3·34	1·22	1·61	1·35	1·14	4·74	1·64	3·38	5·03	2·70	5·22	36·24
,, .. 5	Tain (Ardlarach)	3·92	2·04	1·14	1·62	1·53	1·21	5·08	1·73	3·09	3·08	1·74	3·88	30·06
,, .. 7	Braemore (Loch a' Bhraoin)	5·50	3·10	2·16	3·10	2·11	2·20	5·10	6·30	4·80	5·10	7·40	11·50	58·37
,, .. 7	Ullapool	2·63	1·71	1·54	1·98	1·13	1·25	4·51	2·70	3·11	6·46	3·42	7·72	38·16
,, .. 8	Poolewe (Inverewe Gardens).....	2·87	1·91	2·21	2·18	1·05	1·10	4·36	3·86	6·07	7·43	4·06	7·59	44·69
,, .. 9	Loch Carron (Dunhulladale)	4·06	2·95	4·21	2·35	2·32	2·14	5·91	4·88	3·98	11·01	5·39	14·33	63·53
,, .. 9	Applecross Gardens.....	4·66	2·62	2·94	2·52	2·48	1·93	5·63	4·78	4·11	7·08	4·62	9·81	53·18
,, .. 9	Achnashellach	(5·00)	(3·00)	3·88	3·31	1·80	1·63	5·19	5·05	5·04	12·41	4·51	16·21	67·03
,, ..10	Stornoway (Matheson Road).....	3·24	2·48	1·64	2·04	1·10	·93	3·74	3·53	4·21	5·70	4·53	8·63	41·77
Sutherlandshire. 1	Lairg	5·40	3·14	1·66	1·49	1·07	1·60	6·16	2·42	2·78	5·54	3·12	5·45	39·83
,, .. 4	Skerray (Borgie)	5·48	1·91	1·65	2·27	1·25	·79	6·52	2·90	3·77	5·97	3·27	5·32	41·10
,, .. 4	Tongue	5·62	2·46	1·33	2·80	1·26	1·03	4·53	3·08	3·65	4·70	2·75	3·90	37·11
,, .. 4	Melvich	4·93	1·61	1·32	1·52	1·26	·96	5·12	3·21	2·08	4·16	3·05	3·41	32·63
,, .. 5	Loch More (Achfary)	6·19	2·99	4·39	3·43	1·44	1·64	6·61	5·64	4·73	11·68	6·94	13·99	69·67
Caithness-shire... 2	Wick (Coastguard Station)	4·06	1·48	1·37	1·28	1·96	1·11	4·77	2·53	2·74	3·46	2·65	3·27	30·68
,, .. 3	Thurso (Buckies)	5·76	2·36	1·44	1·73	2·41	·85	5·84	3·62	2·43	4·99	2·52	3·87	37·82
Orkney 0	Deerness	4·76	2·09	1·55	1·08	1·23	1·50	3·79	3·07	2·98	4·21	2·98	3·32	32·56
Shetland..... 0	Lerwick (The Nabb C.G. Station)..	3·64	2·89	2·37	1·35	·91	·87	3·45	2·00	1·96	4·12	2·89	3·89	30·34

Table XX.—(*con.*) *Monthly Rainfall*—**IRELAND.**

County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Cork	4	Garinish Island	7·88	5·20	3·91	2·83	1·83	3·86	4·46	3·17	4·61	3·87	7·36	6·90	55·88
,,	6	Castletownshend (Seafield)	7·12	4·12	3·07	2·59	1·11	1·65	3·46	1·44	2·92	2·76	4·99	4·87	40·10
,,	6	Dunmanway (The Rectory)	7·82	6·77	4·31	2·70	2·04	2·16	4·76	1·61	4·08	2·70	5·72	7·67	52·34
,,	7	Cork (University College)	7·51	6·05	3·21	1·58	1·38	1·55	5·67	·58	2·88	1·53	3·46	4·89	40·29
,,	9	Mallow (Longueville)	6·93	4·57	3·18	2·56	1·72	1·77	5·35	·57	3·26	2·15	4·12	5·59	41·77
,,	9	Kanturk (Castlecor)	6·19	4·51	2·89	2·36	1·49	2·45	5·86	1·07	2·84	2·19	3·81	4·81	40·47
Co. Kerry	3	Valentia Observatory	8·79	3·59	3·52	2·68	2·09	2·39	4·69	1·76	4·19	3·05	5·44	7·12	49·31
,,	3	Gap of Dunloe (Gearhameen)	12·20	6·50	5·20	3·40	2·80	2·60	9·20	2·50	5·70	8·20	9·80	17·10	85·20
,,	3	Killarney (Flesk Mills)	8·15	3·87	3·49	1·97	2·45	2·39	6·88	·98	3·25	3·62	5·60	8·89	51·54
,,	3	Killorglin (Callinafercy)	5·53	3·63	2·10	3·75	1·96	2·78	7·15	1·51	2·99	2·07	6·01	6·08	45·56
,,	3	Bally McElligott Rectory	6·30	2·70	2·19	1·63	1·68	2·69	4·44	1·20	3·80	2·79	3·80	4·54	37·76
,,	4	Darrynane Abbey	8·33	4·80	2·55	2·46	1·34	3·08	4·90	1·85	3·85	3·57	6·74	5·84	49·31
,,	4	Kenmare (Dromore Castle)	8·29	4·62	4·48	3·48	1·74	2·99	5·55	2·41	4·52	4·69	8·30	6·79	57·86
Co. Waterford	3	Waterford (Gortmore)	6·80	4·57	3·42	1·77	1·45	2·76	6·37	·96	2·94	1·42	2·97	4·30	39·73
,,	3	Portlaw (Mayfield)	7·18	5·13	3·87	1·82	2·72	2·61	6·76	·74	3·27	1·41	3·13	5·23	43·87
Co. Tipperary	1	Nenagh (Traverston)	6·58	3·30	2·95	3·10	1·82	2·76	8·51	1·50	4·09	2·50	4·55	5·35	47·01
,,	1	Nenagh (Castle Lough)	6·91	2·78	2·37	2·85	1·24	2·93	6·80	1·44	4·17	2·63	3·72	5·24	43·08
,,	3	Cahir (Abbey)	5·25	4·89	3·87	2·91	1·51	5·83	8·15	·87	4·39	3·24	4·32	4·97	50·20
,,	3	Cashel (Ballinamona)	5·04	2·85	2·34	2·33	1·18	4·41	7·10	·85	4·60	1·91	2·95	4·38	39·94
,,	4	Roscrea (Timoney Park)	4·27	1·86	1·80	2·09	·91	3·35	8·56	1·73	4·09	2·63	3·15	4·07	38·51
Co. Limerick	2	Abbeyfeale (Springmount School)	5·66	3·70	·93	1·96	·93	2·55	7·81	1·46	3·42	3·09	4·53	5·65	41·69
,,	2	Foynes (Coolnanes)	4·65	2·07	1·89	2·62	1·10	3·46	7·26	1·28	3·03	3·12	5·18	5·07	40·73
,,	2	Limerick (Mulgrave Street)	5·03	3·21	2·52	2·65	1·19	3·93	7·43	2·02	3·53	2·62	4·31	3·75	42·19
Co. Clare	2	Inagh (Mount Callan)	6·99	4·28	3·53	4·42	2·12	5·40	12·05	4·27	5·59	5·81	10·22	10·60	75·28
,,	3	Dromoland Castle	4·94	2·57	2·16	2·85	1·04	4·28	5·48	1·50	4·21	3·00	4·37	4·60	41·00
Co. Wexford	2	Foulks Mills (Longraigue)	7·84	3·94	3·74	1·56	1·13	3·79	6·40	1·13	3·79	1·61	4·24	4·83	44·00
,,	3	Enniscorthy (Woodbrook)	7·70	6·38	4·08	2·19	1·30	2·40	7·90	·86	4·55	2·25	4·96	4·74	49·31
,,	4	Gorey (Courtown House)	7·44	3·75	3·80	2·24	1·33	2·16	5·89	·66	3·33	1·49	3·66	4·21	39·96
Co. Kilkenny	2	Castlecomer House	5·45	2·82	3·29	2·97	1·39	2·78	9·48	1·27	4·47	2·19	4·14	4·07	44·32
Co. Wicklow	1	Shillelagh (Coollattin Gardens)	6·81	3·71	3·59	2·22	1·12	2·30	9·79	·90	4·29	1·83	4·12	3·55	44·23
,,	4	Newcastle (Killadreenan)	6·68	4·06	3·17	2·37	1·43	2·91	7·67	·69	4·10	1·46	3·44	3·46	41·44
,,	5	Blessington Rectory	3·98	2·48	2·11	2·20	1·36	4·10	7·73	1·70	3·47	2·35	3·16	4·53	39·17

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County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Carlow	2	Bagnalstown (Fenagh House)	5·39	3·40	2·61	1·96	·72	2·24	6·11	·53	3·89	1·73	2·82	3·34	34·74
,, ...	3	Hacketstown Rectory	5·39	2·88	3·55	2·54	·98	2·71	7·67	1·25	4·36	1·65	3·68	3·12	39·78
Co. Leix	2	Abbey Leix (Blandsfort)	4·66	2·03	2·57	2·54	1·08	4·51	8·78	1·68	4·11	2·22	3·67	3·51	41·36
,, ...	3	Mountrath (Baunreagh)	7·13	2·80	2·75	4·05	1·26	5·34	10·43	3·09	4·88	4·13	5·37	5·42	56·65
Co. Offaly.....	1	Birr Castle	3·96	1·78	1·54	2·28	·98	2·96	6·14	1·92	4·67	1·95	3·07	3·13	34·38
,, ...	1	Ferbane (Turraun Peat Works) ..	3·51	1·41	1·57	1·86	1·05	3·61	7·08	1·47	3·34	1·76	2·74	3·09	32·49
,, ...	1	Ballycumber (Bellair House).....	3·18	1·84	1·77	2·18	·80	3·98	6·63	1·83	3·10	1·65	2·70	1·41	31·07
Co. Kildare	2	Straffan House	2·92	1·24	1·54	2·12	1·57	4·15	5·57	1·39	3·40	1·83	2·46	3·30	31·49
Co. Dublin	2	Dublin City (Fitzwilliam Square)..	2·78	1·69	1·74	1·98	1·18	3·25	5·63	1·15	2·64	1·32	2·28	2·38	28·02
,, ...	3	Balbriggan (Ardgillan)	4·24	1·86	1·83	1·49	1·72	3·27	5·40	1·37	3·25	1·35	3·21	2·42	31·41
Co. Meath	2	Dunboyne (Stirling, Clonee)	3·40	1·78	1·72	2·29	1·27	3·27	6·24	1·11	2·76	1·75	2·46	3·01	31·06
,, ...	4	Summerhill House	3·57	1·59	1·96	2·14	1·54	4·09	4·81	2·21	2·82	1·67	2·97	2·92	32·29
,, ...	4	Kells (Headfort)	3·83	1·80	1·94	1·26	1·78	4·62	7·71	1·99	4·40	1·87	2·68	3·67	37·55
Co. Westmeath...	1	Mullingar (Belvedere House).....	4·58	2·07	2·30	2·12	1·28	5·14	6·67	2·11	4·39	2·79	3·43	3·64	40·52
,, ..	1	Castlepollard (Pakenham Hall)....	4·11	1·56	2·78	1·54	1·80	5·82	5·94	2·04	3·01	2·36	3·16	3·28	37·40
Co. Longford ..	2	Ballymahon (New Castle)	4·91	1·82	2·27	2·30	1·52	4·80	7·52	2·02	3·93	2·49	3·84	3·73	41·15
,, ...	2	Newtownforbes (Cas. Forbes Gdns.)	4·33	2·16	2·09	1·50	1·24	3·19	6·77	1·57	4·08	2·37	3·81	4·13	37·24
Co. Galway	3	Galway (Grammar School)	4·71	1·80	1·90	2·05	1·12	3·58	5·33	2·25	3·66	3·04	4·03	4·94	38·41
,, ...	3	Ballynahinch Castle	6·95	4·18	3·52	2·91	2·11	3·86	4·99	4·53	5·60	4·93	6·94	8·82	59·34
,, ...	3	Tuam Palace Gardens	5·35	2·63	2·46	1·96	1·11	4·73	5·55	1·67	4·92	3·00	4·31	5·19	42·88
,, ...	5	Portumna	4·19	1·63	1·84	2·11	·91	3·51	5·02	1·60	4·60	2·23	3·09	3·69	34·42
,, ...	5	Ahascragh (Clonbrock)	5·27	2·42	2·53	2·44	1·21	2·89	6·43	1·75	4·47	2·94	4·07	4·70	41·12
Co. Roscommon.	4	Strokestown (Castlenode)	5·27	2·31	2·07	1·75	1·52	3·95	6·07	1·40	4·34	2·21	3·38	4·17	38·44
Co. Mayo	2	Castlebar Rectory	5·67	4·68	3·58	3·13	2·10	3·30	8·59	2·37	5·49	3·94	6·34	6·32	55·51
,, ...	3	Ballina (The Rectory)	3·63	3·73	2·99	1·99	1·51	3·42	5·02	2·71	3·25	2·66	3·04	5·40	39·35
,, ...	3	Blacksod Point	4·04	4·13	2·29	2·26	2·39	2·11	5·09	2·48	4·57	3·77	5·03	8·31	46·47
,, ...	4	Westport House	5·67	3·85	2·41	2·48	2·08	2·13	5·15	1·41	4·93	3·35	5·51	7·22	46·19
,, ...	4	Mallaranny	7·82	4·48	3·41	3·65	1·85	4·08	6·86	3·85	5·74	5·43	7·01	7·98	62·16
,, ...	5	Delphi Lodge	10·67	6·28	5·44	4·59	4·09	4·23	11·16	5·78	9·13	7·53	11·58	14·08	94·56
Co. Sligo.....	2	Collooney (Markree Castle)	4·28	2·13	3·03	1·25	1·75	5·23	6·22	2·44	4·38	3·82	4·69	5·25	44·47
,, ...	2	Sligo (Ard-na-veagh)	3·99	2·58	2·88	·95	1·72	4·56	5·47	2·92	4·21	4·66	5·11	4·96	44·01
Co. Leitrim	5	Cloone	4·22	1·93	2·55	1·29	1·58	4·85	6·23	1·87	5·44	3·24	4·44	5·09	42·73

Table XX.—(*con.*) *Monthly Rainfall*—IRELAND—(*con.*).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Cavan 1	Crossdoney (Kevit Castle)	4·83	2·23	2·78	1·18	1·92	3·46	5·78	2·03	3·86	2·56	3·99	3·80	38·42
Co. Fermanagh... 1	Newtownbutler (Crom Castle).....	4·35	2·20	2·12	1·15	1·78	3·03	5·89	1·88	4·41	2·74	3·96	4·31	37·82
,, .. 1	Enniskillen (Portora School)	4·11	1·80	2·53	·61	1·66	4·45	5·90	1·94	5·37	3·42	3·37	3·47	38·63
,, .. 1	Belleek (Heronshaw)	5·06	2·77	2·94	1·11	2·06	4·27	6·61	3·79	5·46	5·09	6·46	5·55	51·17
Co. Armagh ... 3	Markethill (Whitecross)	4·90	1·89	2·66	·76	1·89	3·70	7·32	2·49	4·07	3·49	4·29	4·13	41·59
,, ... 5	Armagh (Observatory).....	3·29	1·77	1·67	·56	1·56	4·41	5·89	1·74	4·35	2·80	3·76	3·21	35·01
Co. Down..... 1	Newry (Bridge Street House)	5·42	1·69	2·92	·82	1·19	3·23	6·34	2·01	4·98	2·61	3·04	3·55	37·80
,, ... 2	Silent Valley (Belfast W.W.)	6·52	4·22	5·03	1·08	1·87	4·26	8·88	4·61	6·39	3·74	5·27	4·35	56·22
,, ... 2	Seaforde	6·03	3·57	3·40	·96	1·71	2·12	6·44	2·20	5·03	2·68	4·51	2·97	41·62
,, ... 4	Donaghadee (Coastguard Station)..	4·88	2·32	1·98	·85	1·89	2·82	5·60	2·65	4·07	2·02	3·06	3·45	35·59
Co. Antrim 1	Belfast (Queen's University)	5·66	2·68	2·88	1·61	1·55	3·34	6·58	2·73	4·59	3·53	4·45	3·43	43·03
,, ... 2	Larne (Sallagh Springs)	7·11	3·53	3·83	1·25	2·58	3·33	7·82	3·67	4·32	4·01	5·08	5·01	51·54
,, ... 3	Ballycastle (Magherintemple)	6·67	2·22	3·33	·84	2·13	1·91	6·69	3·35	5·47	5·40	5·92	4·17	48·10
,, ... 5	Aldergrove (Aerodrome).....	4·28	1·72	2·15	·74	1·30	3·51	5·81	2·41	3·80	2·46	3·20	3·74	35·12
,, ... 5	Ballymena (Harryville)	5·26	2·29	2·67	1·10	1·91	2·43	7·05	3·04	4·93	3·94	4·62	5·07	44·31
Co. Londonderry 3	Garvagh (Moneydig)	4·65	1·75	2·43	·99	1·29	1·81	6·96	2·78	5·15	3·41	4·41	4·74	40·37
,, .. 5	Glenedra Lodge	7·67	3·20	4·63	1·54	2·88	2·40	9·08	3·91	6·44	5·45	6·95	7·06	61·21
,, .. 5	Londonderry (Creggan Res.)	4·05	2·18	2·54	1·29	1·62	2·94	9·62	3·76	5·46	4·68	5·42	4·92	48·48
,, .. 5	Bellarena	4·07	1·61	1·93	·64	1·04	1·89	5·29	2·83	3·75	3·88	6·32	3·63	36·88
Co. Tyrone..... 2	Castlecaulfield (Parkanaur)	4·04	1·89	2·51	·73	1·51	3·05	6·32	2·16	5·50	3·41	4·05	3·92	39·09
,, ... 3	Omagh (Edenfel)	4·58	2·07	2·54	1·18	2·16	3·49	8·17	2·71	4·11	4·57	4·62	5·96	46·16
,, ... 3	Sion Mills (Sion House)	4·25	2·32	2·21	1·38	2·07	3·13	6·45	2·43	3·96	4·25	4·92	5·32	42·69
Co. Donegal.... 1	Malin Head (Coast Guard Stn.) ..	4·45	1·39	2·09	·80	·85	1·72	5·22	2·94	4·11	3·81	5·82	3·47	36·67
,, ... 2	Buncrana Rectory	4·83	2·05	2·58	1·06	1·39	1·67	6·36	2·83	4·29	4·10	5·31	4·20	40·67
.. 3	Dunfanaghy (St. Patrick's)	3·93	2·79	2·13	1·64	1·65	1·60	6·26	2·88	5·59	3·18	4·97	5·45	42·07
,, ... 5	Dunkineely (Killaghtee Ho.).....	4·43	2·22	2·69	1·33	1·45	3·78	5·50	3·10	5·12	6·55	7·17	9·83	53·17

Table XXI.—*Monthly Rainfall in* 1936; *the Average,* 1881–1915, *being taken as* 100.

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
London..... 2	St. Pancras (Camden Square).....	216	88	61	88	27	188	125	22	165	78	130	78	105
Kent..... 1	Tenterden (Ashenden).....	218	97	58	98	22	205	194	67	92	54	151	86	110
,, ... 2	Margate (Cliftonville)	186	132	60	73	15	202	180	65	110	66	135	57	106
,, ... 4	Edenbridge (Falconhurst)	220	100	47	117	33	125	203	71	117	63	141	108	112
Sussex..... 1	Compton (Compton House).....	198	116	107	141	18	127	199	29	116	35	143	75	106
,, ... 5	Eastbourne (Wilmington Square)..	181	102	57	114	13	140	245	31	69	29	143	68	96
Hampshire..... 1	Ventnor (Royal National Hosp.)...	204	148	114	98	13	224	195	11	110	35	164	82	114
,, ... 3	Fordingbridge (Oaklands)	215	109	148	96	72	127	262	16	199	51	110	102	119
,, ... 8	Sherborne St. John.....	214	99	83	97	21	140	193	37	202	55	118	95	110
Hertfordshire.... 3	Royston (Therfield Rectory).....	203	135	55	99	43	220	219	21	155	63	138	76	117
Buckinghamshire 3	Slough (Upton)	248	107	70	114	26	140	154	20	139	59	152	73	106
Oxfordshire..... 3	Oxford (Radcliffe Met.Stn.).....	174	95	110	102	22	161	144	36	192	46	116	81	104
Northamptonshire 4	Wellingborough (Swanspool)	194	119	79	132	59	209	344	19	121	66	109	73	126
Cambridgeshire.. 2	March	153	157	47	126	93	160	259	25	84	41	100	60	106
Essex 4	Chelmsford (County Gardens).....	270	111	47	100	54	199	163	25	109	44	136	81	109
Suffolk 3	Rendlesham Hall.....	216	206	33	73	50	184	131	37	121	102	167	53	114
,, ... 4	Lowestoft (Secondary School).....	159	193	25	81	46	132	151	46	122	82	115	63	100
,, ... 5	Bury St. Edmunds (Westley H.) ..	203	213	30	95	115	134	173	38	123	69	148	76	114
Norfolk..... 3	Wells (Holkham Hall)	182	163	39	98	125	215	223	61	156	89	128	85	129
Wiltshire 3	Bishops Cannings	173	114	151	129	51	126	184	25	133	67	126	87	110
Dorsetshire 3	Weymouth (Westham).....	186	152	183	74	31	78	176	4	99	32	105	89	98
,, ... 3	Beaminster (East St.).....	174	116	159	98	60	105	117	8	117	43	96	96	106
South Devonshire 5	Teignmouth (Den Gardens)	227	142	177	131	42	67	239	1	146	17	86	96	112
,, 6	Cullompton	152	112	145	106	30	83	234	9	136	44	108	83	101
North Devonshire 2	Barnstaple (N. Dev. Athenæum)...	123	91	91	108	33	91	243	18	143	53	99	89	96
,, 3	Okehampton (Uplands).....	167	129	96	102	33	110	346	19	95	46	137	111	113
Cornwall..... 2	Penzance (Morrab Gardens).....	174	217	138	120	40	69	293	15	141	41	110	69	115
,, ... 2	St. Austell (Trevarna).....	199	200	168	109	52	99	245	19	89	38	122	81	117
Somersetshire ... 1	Litton (Sherborne Res.)	156	102	128	99	37	108	210	17	133	59	134	90	104
Gloucestershire.. 7	Cirencester (Gwynfa)	157	107	89	104	62	104	243	16	194	44	103	110	108
Shropshire..... 3	Church Stretton (Woolstaston)	163	131	110	133	43	154	246	19	248	66	151	139	127
Staffordshire 2	Market Drayton (Old Springs).....	147	93	102	86	32	133	163	33	159	52	104	78	96

Table XXI.—*Monthly Rainfall in* 1936; *the Average,* 1881–1915, *being taken as* 100 (*con.*)

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Worcestershire .. 1	Malvern (Free Library)	197	160	140	117	26	172	234	14	176	53	103	115	120
Warwickshire ... 1	Alcester (Ragley Hall)	153	117	126	114	48	130	218	25	170	33	86	95	105
,, ... 4	Birmingham (Edgbaston)	175	162	120	116	46	144	284	30	166	58	122	99	123
Leicestershire ... 4	Grantham (Belvoir Castle Gdns.)	196	119	61	112	66	132	225	65	143	70	131	65	113
Lincolnshire..... 3	Boston (Black Sluice, Skirbeck)	186	182	75	130	39	185	195	41	82	76	93	58	108
,, ... 4	Louth (Westgate)	133	161	45	108	102	193	156	48	67	63	107	60	102
Nottinghamshire 5	Worksop (Hodsock)	195	173	91	86	34	220	166	47	120	71	125	60	112
Derbyshire..... 6	Derby (L.M. & S. Rly.)	157	106	100	101	22	155	167	36	191	57	94	67	101
Cheshire 3	Birkenhead (Bidston Obs'y.)	185	126	69	61	53	194	114	49	122	46	110	131	102
S. Lancashire.... 3	Manchester (Whitworth Park)	143	103	65	47	27	130	111	69	163	90	139	97	100
C. ,, ... 1	Stonyhurst (College)	94	62	66	51	61	115	131	68	143	109	127	134	99
N. ,, ... 1	Ulverston (Poaka Beck)	135	70	81	26	38	135	97	84	134	70	107	113	93
N. ,, ... 5	Blackpool (Met. Obsy.)	132	99	78	51	34	190	83	60	153	59	116	151	101
Yorkshire, W.R.. 8	Wakefield (Clarence Park)	160	169	96	77	68	187	146	54	152	72	146	54	112
,, E.R... 3	Hull (Pearson Park)	(178)	(151)	(44)	(122)	(83)	(150)	(162)	(41)	(116)	(71)	(123)	(46)	(102)
,, N.R... 1	West Witton (Ivy House)	157	116	70	62	88	327	127	58	140	60	103	139	116
,, ,, .. 2	Felixkirk (Mount St. John)	184	178	97	96	67	164	166	104	152	52	131	73	120
,, ,, .. 3	York (Museum Gardens)	187	132	60	92	66	169	119	77	99	55	138	58	102
,, ,, .. 5	Scarborough	199	137	58	66	107	115	119	88	97	60	100	95	101
,, ,, .. 6	Middlesbrough (Albert Park)	190	227	83	80	89	189	135	77	176	45	114	58	114
Northumberland. 3	Newcastle (Leazes Park)	172	208	106	96	86	152	108	82	134	53	143	58	111
,, . 4	Bellingham (Highgreen)	179	112	101	83	83	75	160	52	196	73	92	81	105
,, . 6	Ilderton (Lilburn Tower Gdns.)	235	207	76	81	64	117	129	45	121	42	104	65	100
Cumberland..... 1	Carlisle (Scaleby Hall)	135	80	53	48	32	106	142	51	190	102	116	113	99
,, ... 2	Keswick (High Hill)	133	71	52	32	35	129	173	33	162	134	113	139	103
Westmorland.... 1	Appleby (Castle Bank)	150	64	70	33	32	123	160	50	164	96	128	148	106
Monmouthshire.. 3	Abergavenny (Larchfield)	203	106	118	95	54	200	250	10	150	44	111	147	121
Glamorganshire.. 3	Ystalyfera (Wern House)	121	50	84	93	44	132	214	51	94	52	105	96	93
,, .. 5	Cardiff (Ely Pumping Station)	110	57	121	119	78	136	234	27	100	41	102	78	95
Carmarthenshire. 2	Carmarthen (Model & Prac. Sch.)	188	67	86	125	67	157	194	51	117	44	120	133	110
Pembrokeshire .. 4	Pembroke (Stackpole Court)	178	120	113	141	67	122	225	19	103	37	136	89	108
Radnorshire..... 1	Birmingham W.W. (Tyrmyndd)	151	70	75	111	65	202	193	15	124	78	113	120	106
Montgomeryshire 4	Newtown (Penarth Weir)	179	88	102	128	99	239	155	22	140	82	151	132	124

Table XXI.—*Monthly Rainfall in* 1936; *the Average,* 1881–1915, *being taken as* 100 (*con.*)

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Montgomeryshire 5	Lake Vyrnwy	157	61	111	94	56	205	248	46	179	98	137	135	124
Merionethshire .. 3	Blaenau Festiniog (Oakeley Q.)	80	51	62	79	58	171	159	98	153	119	126	122	108
,, .. 4	Dolgelley (Bontddu)	135	66	79	60	65	172	238	55	163	79	161	127	116
Carnarvonshire .. 2	Llandudno (Cricket Ground)	162	115	115	67	170	169	132	21	152	61	104	153	114
Anglesey	Holyhead (Salt Island)	167	101	103	65	62	232	141	66	131	50	83	135	109
Isle of Man	Douglas (Borough Cemetery)	192	116	90	46	124	139	188	87	182	66	130	119	122
Channel Islands	Guernsey, St. Peter Port (Grange Rd.)	236	171	127	86	42	96	270	28	165	58	135	59	119
Wigtownshire ... 3	Port William (Monreith)	157	63	76	27	152	126	211	73	168	74	80	88	105
Kirkcudbrightshire 3	Dalry (Glendarroch)	139	60	84	34	59	86	170	62	168	113	99	94	98
Dumfriesshire ... 3	Dumfries (Crichton Roy. Inst.)	172	69	95	29	52	112	137	40	207	90	110	127	103
Roxburghshire .. 3	Hawick (Wolfelee)	169	117	87	75	38	106	192	35	133	76	107	96	103
Peebleshire 2	Stobo Castle	157	127	69	67	34	73	167	47	139	136	113	144	109
Berwickshire 4	Marchmont House	192	190	95	81	63	57	78	50	141	47	134	75	95
East Lothian 5	North Berwick Reservoir	204	176	91	77	100	132	138	67	186	42	103	67	109
Midlothianshire .. 5	Edinburgh (Blackford Hill)	204	147	88	96	40	64	155	37	142	49	94	83	96
Ayrshire 8	Girvan (Pinmore)	126	45	79	32	108	93	204	93	123	109	110	98	103
,, ...13	Glen Afton (Ayr Sanatorium)	158	69	85	47	83	67	168	49	114	108	99	153	104
Renfrewshire ... 2	Glasgow (Queen's Park)	140	58	105	54	68	70	175	84	153	125	105	145	111
,, ... 3	Greenock (Prospect Hill)	96	67	82	43	79	52	170	51	87	143	77	125	92
Bute 3	Dougarie Lodge	93	57	84	41	121	62	161	58	99	108	98	98	90
Argyllshire 2	Loch Sunart (Glenborrodale)	49	50	84	33	122	82	102	80	77	154	114	127	92
,, ... 8	Lochgilphead (Poltalloch)	87	69	107	68	186	116	124	87	96	160	95	149	113
,, ...11	Inveraray Castle Gardens	74	68	86	74	93	101	132	104	74	201	91	182	110
,, ...14	Islay (Eallabus)	97	72	102	67	94	105	120	77	85	114	95	114	96
,, ...14	Tiree	72	71	76	59	92	86	62	65	110	83	91	88	80
Kinross-shire 2	Loch Leven Sluice	154	122	85	60	23	48	166	46	146	76	85	85	92
Fifeshire 3	Leuchars (Aerodrome)	223	202	119	33	66	93	205	31	152	43	76	64	105
Perthshire 1	Loch Dhu	85	63	94	56	58	66	142	62	123	141	60	133	92
,, ... 7	Crieff (Strathearn Hydro)	124	80	81	54	58	71	163	48	149	75	62	108	89
,, ...14	Blair Atholl (Blair Castle Gdns.)	88	60	65	31	43	81	195	79	125	124	77	137	95
Angus 4	Montrose (Sunnyside Asylum)	216	148	91	19	51	79	157	32	157	32	45	71	88
Aberdeenshire ... 1	Balmoral Castle Gdns.	154	89	45	58	71	65	135	39	122	72	74	106	86
,, ... 2	Aberdeen Observatory	204	93	68	37	51	49	166	51	117	39	46	61	81

Table XXI.—*Monthly Rainfall in* 1936 ; *the Average,* 1881–1915, *being taken as* 100 (*con.*)

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Aberdeenshire ... 4	New Deer Schoolhouse	179	130	42	44	57	51	115	63	117	60	70	49	80
Morayshire..... 2	Fochabers (Gordon Castle)	202	67	27	55	39	74	131	59	101	81	57	47	79
,, ... 3	Grantown-on-Spey	117	72	31	71	69	45	164	62	89	109	70	83	83
Nairnshire 2	Nairn (Golf Course)	129	78	44	49	68	57	173	87	103	99	62	117	93
Inverness-shire .. 6	Loch Ness (Foyers).....	49	64	41	59	47	56	163	63	110	154	63	179	91
,, .. 7	Loch Quoich (Glenquoich)	39	42	53	43	47	57	94	79	51	156	61	145	76
,, ..13	Arisaig House.....	40	48	66	35	87	85	124	83	59	125	78	140	83
,, ..17	Glenleven (Corrour)	37	47	51	66	59	63	133	70	115	187	89	94	84
Ross and Cromarty 4	Alness (Ardross Castle).....	128	101	37	66	52	51	156	56	116	131	67	126	94
,, 7	Ullapool	57	40	37	64	44	53	142	76	83	133	64	123	79
,, 9	Achnashellach.....	(52)	(41)	54	59	40	41	101	76	69	155	49	161	(79)
,, 10	Stornoway (Matheson Rd.)	63	56	40	67	43	40	123	89	107	110	78	138	84
Sutherlandshire.. 1	Lairg	165	101	54	65	42	77	197	76	98	148	78	135	107
,, .. 4	Tongue	143	70	40	107	53	50	148	96	115	112	60	79	91
,, .. 5	Loch More (Achfary).....	85	45	68	71	33	44	124	97	82	150	81	151	92
Caithness-shire .. 2	Wick (C. Guard Station)	165	65	60	64	95	62	181	92	110	117	84	106	103
Orkney	Deerness	138	69	55	52	61	81	147	107	103	111	76	79	92
Co. Cork..... 6	Dunmanway (The Rectory).....	125	116	88	65	60	62	122	34	100	45	92	95	86
,, ,, ... 7	Cork (University College)	186	162	107	60	61	61	209	17	107	39	86	95	101
,, ,, ... 9	Mallow (Longueville).....	178	134	110	105	77	80	214	18	136	60	110	114	112
,, Kerry..... 3	Valentia Observatory	160	69	78	73	66	75	124	37	101	55	100	107	89
,, ,, ... 3	Gap of Dunloe (Gearhameen)	120	73	64	59	53	52	160	33	93	89	101	137	91
,, Waterford... 3	Waterford (Gortmore)	187	142	125	71	63	105	200	25	107	36	80	94	102
,, Tipperary... 1	Nenagh (Castle Lough).....	175	89	76	114	50	120	216	37	148	78	93	114	109
,, ,, ... 3	Cashel (Ballinamona)	135	90	86	95	50	195	248	24	190	54	85	102	109
,, Limerick.... 2	Foynes (Coolnanes)	123	65	64	107	47	134	236	33	109	84	130	107	103
,, Wexford 4	Gorey (Courtown House).....	238	133	164	103	60	89	200	20	135	42	105	110	115
,, Carlow 2	Bagnalstown (Fenagh House)	171	133	107	85	29	90	194	15	157	52	84	89	99
,, ,, ... 3	Hacketstown Rectory	152	96	127	96	38	97	222	31	155	43	94	76	101
,, Leix..... 2	Abbey Leix (Blandsfort).....	142	76	99	97	44	174	280	43	151	63	110	95	113

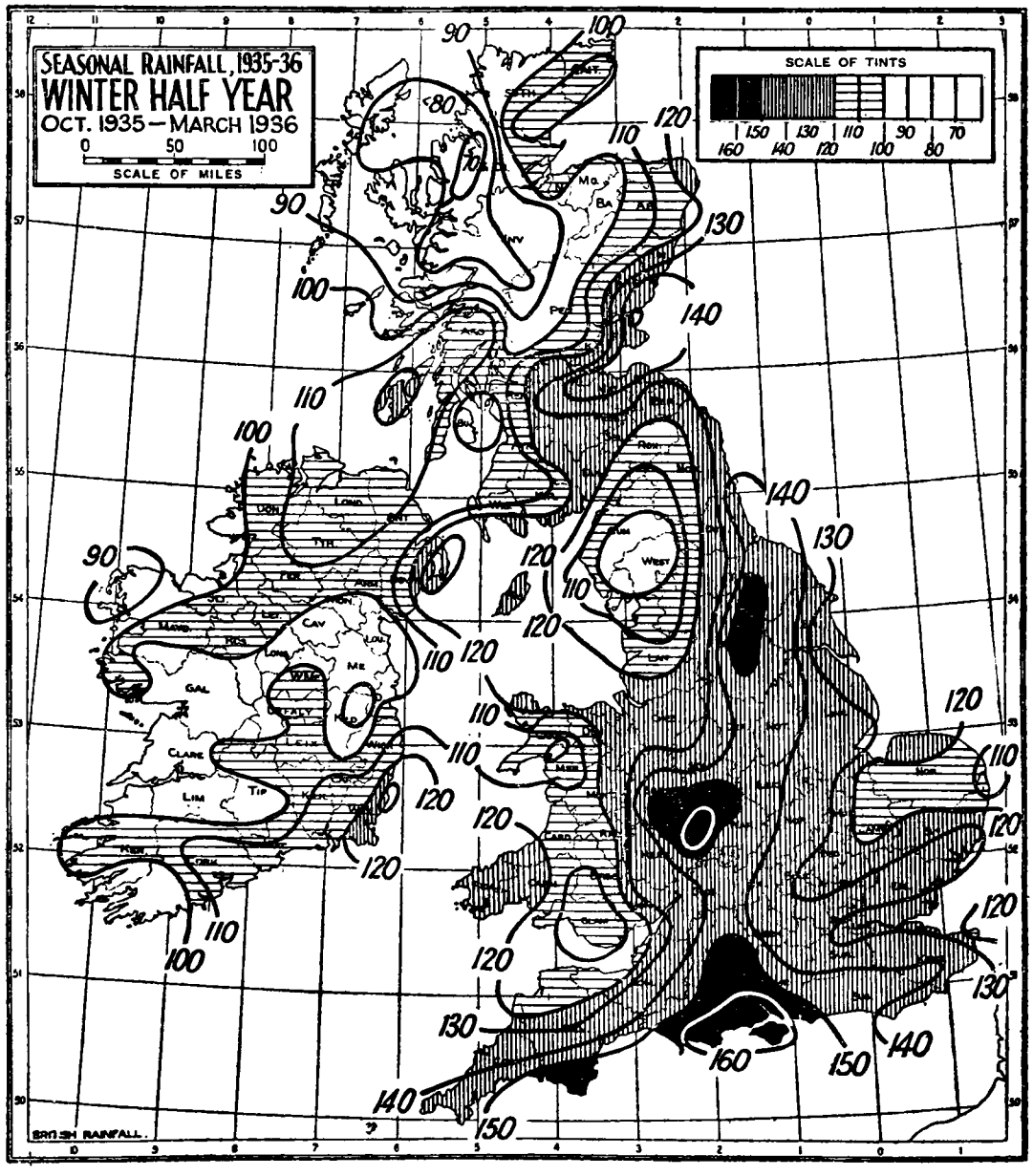
Table XXI.—*Monthly Rainfall in* 1936; *the Average,* 1881–1915, *being taken as* 100 (*con.*)

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Co. Offaly 1	Birr Castle	140	78	64	107	44	128	208	50	204	67	99	95	106
,, Kildare 2	Straffan House	113	57	66	107	71	183	197	37	152	64	79	108	100
,, Dublin 2	Dublin (Phœnix Pk.)	147	111	77	111	53	141	242	34	141	62	82	99	107
,, Meath 4	Kells (Headfort)	122	67	71	50	66	174	242	48	165	56	79	96	101
,, Westmeath .. 1	Mullingar (Belvedere)	143	75	85	90	52	197	210	51	164	89	100	99	111
,, Longford 2	Newtownforbes (Cas. Forbes Gdns.)	130	76	71	63	48	124	217	38	142	73	106	104	99
,, Galway 3	Galway (Grammar Sch.)	126	59	63	87	45	140	166	55	116	82	99	108	96
,, ,, ... 3	Ballynahinch Castle	112	82	69	82	59	109	120	83	118	82	116	118	97
,, ,, ... 5	Ahascragh (Clonbrock)	136	78	76	96	44	103	185	42	145	81	101	100	99
,, Roscommon. 4	Strokestown (Castlenode)	168	87	75	80	63	168	216	37	160	72	99	111	110
,, Mayo 3	Blacksod Point	79	102	56	78	85	76	162	54	118	76	97	136	94
,, ,, ... 4	Westport House	122	98	62	92	73	79	166	35	139	74	112	126	99
,, ,, ... 5	Delphi Lodge	108	75	65	80	68	74	168	67	121	79	111	116	96
,, Sligo 2	Collooney (Markree Castle)	110	62	89	47	64	178	181	56	129	94	111	110	103
,, Fermanagh . 1	Newtownbutler (Crom Castle)	131	75	68	45	64	112	169	45	158	84	114	104	98
,, Armagh 5	Armagh (Observatory)	131	80	71	27	66	175	203	48	177	103	132	103	110
,, Down 2	Seaforde	191	117	116	37	65	77	202	59	182	75	119	72	109
,, ,, ... 4	Donaghadee (Coastguard Station) .	192	100	90	42	84	121	200	79	171	70	100	108	114
,, Antrim 5	Aldergrove (Aerodrome)	156	71	86	35	57	146	207	67	153	82	99	109	106
,, ,, ... 5	Ballymena (Harryville)	142	71	85	42	67	84	206	71	158	107	114	114	107
,, Londonderry 5	Londonderry (Creggan Reservoir)..	113	68	79	50	62	104	262	81	166	127	132	112	116
,, Tyrone 3	Omagh (Edenfel)	129	69	81	45	83	124	240	64	135	125	122	141	115
England	(general mean*, 58 stations)	**179**	**133**	**88**	**94**	**50**	**149**	**185**	**40**	**139**	**60**	**121**	**87**	..
Wales	(,, ,, 12 ,,)	**153**	**79**	**97**	**98**	**74**	**178**	**199**	**40**	**134**	**65**	**121**	**122**	..
England and Wales ..	(,, ,, 70 ,,)	**175**	**123**	**89**	**94**	**54**	**154**	**187**	**40**	**138**	**61**	**121**	**93**	..
Scotland	(,, ,, 43 ,,)	**126**	**83**	**70**	**56**	**68**	**73**	**149**	**67**	**117**	**109**	**82**	**111**	..
Ireland	(,, ,, 35 ,,)	**144**	**90**	**85**	**75**	**59**	**119**	**200**	**45**	**143**	**73**	**103**	**106**	..
British Isles †	(,, ,, 150 ,,)	**154**	**104**	**83**	**78**	**60**	**122**	**180**	**49**	**134**	**78**	**106**	**101**	..

* The "general" values given in the last six rows are obtained by taking the means of the percentage values for the stations.
† Including Isle of Man and St. Peter Port, Guernsey. ‡ See Table XXIII.

9. SEASONAL RAINFALL, 1935-36.

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year

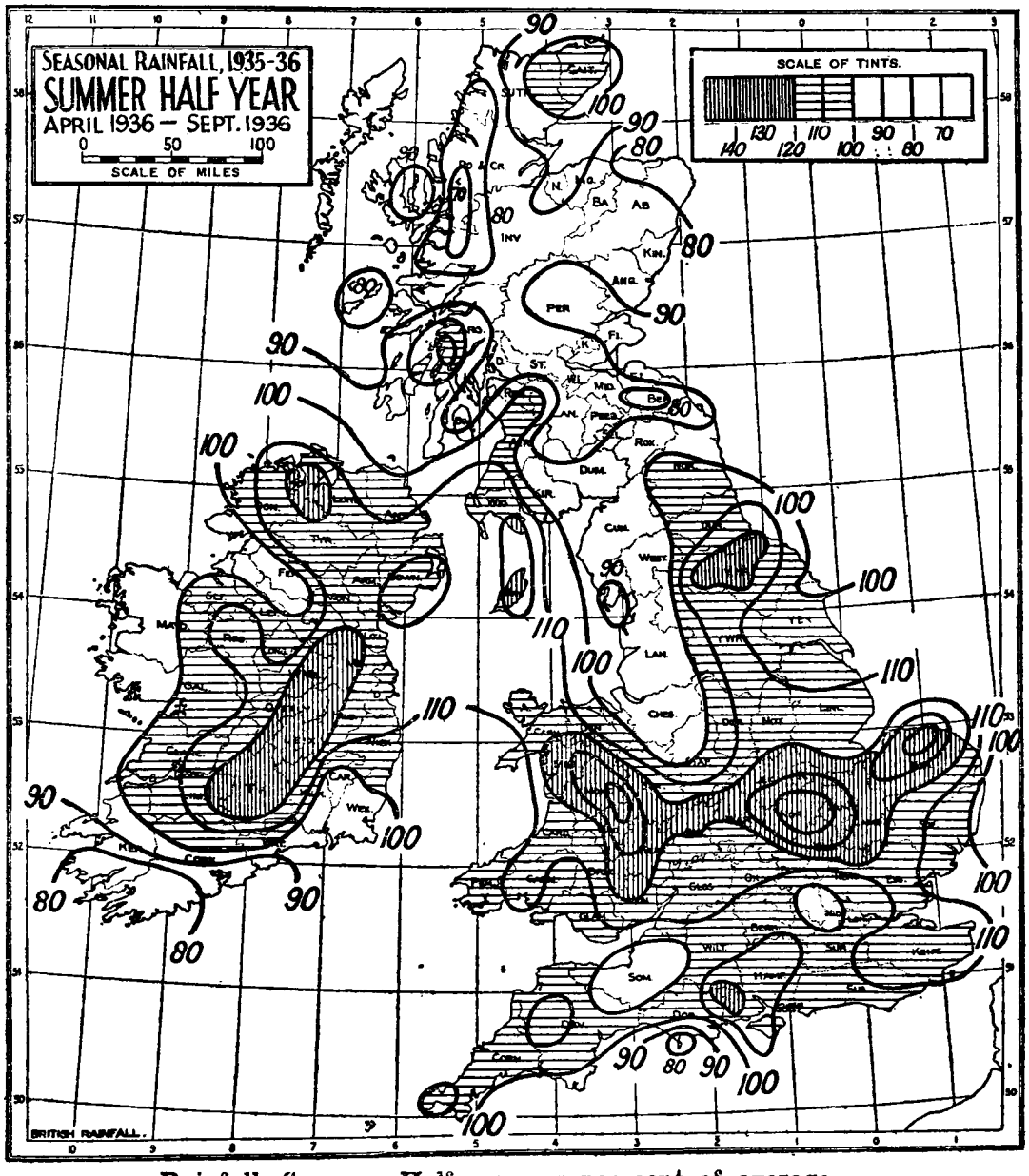


Rainfall, Winter Half-year, as per cent of average.

as a unit of time for rainfall purposes is that part of a winter is included in one calendar year and the other part in another year.

Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.

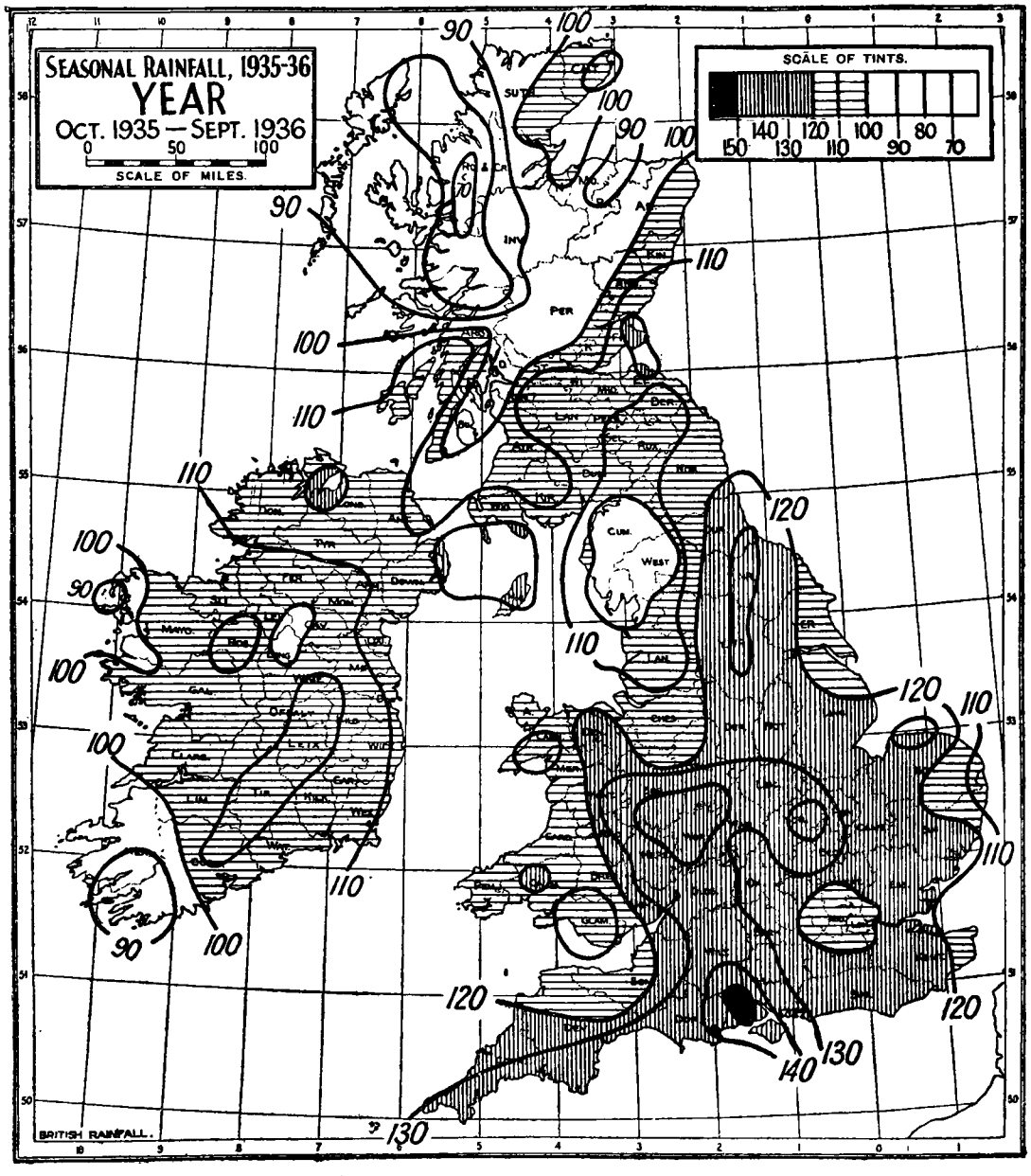
In this section the rainfall of the winter season, 1st October, 1935, to 31st March, 1936, and of the summer season, 1st April,



Rainfall, Summer Half-year, as per cent of average.

1936, to 30th September, 1936, is dealt with, as well as the rainfall of the whole seasonal year, 1st October, 1935, to 30th September, 1936. It is natural to associate a summer season with the preceding rather than with the following winter season, since the water required

in summer for replenishing streams and for the needs of animal and vegetable life is derived, in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table XXII(*a*) similar to those introduced in that volume, are now reproduced.



Rainfall, Seasonal Year, as per cent of average.

Table XXII(*a*) contains rainfall values for each of these two seasons for the stations shown in Section 8 on Monthly Rainfall. The values are expressed as percentages of the average fall for the season and

the station. The table gives in the fourth column the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter is, in general, greater than that for the summer.

The *winter* half-year included four wet months, October and November, 1935 and January and February, 1936 with 142, 145, 154 and 104 per cent. of the respective averages over the British Isles generally, while December, 1935 and March, 1936 were moderately dry with 83 per cent. each.

The general rainfall for the whole country for the *winter* half-year was 19 per cent. in excess of the average, the excesses over England and Wales, Scotland and Ireland being 31, 8 and 6 respectively. Over England and Wales the rainfall of the winter half-year 1935–36 was equalled or exceeded back to 1906–07 on only three occasions, *viz.*, 1911–12, 1914–15 and 1929–30 with excesses of 36, 31 and 46 per cent. respectively. Over Scotland the winter half-year 1935–36 was wetter than the two previous winters and over Ireland than the four previous winters.

The rainfall of the winter half-year was less than the average over the English Lake District, north-western and central Scotland as well as in western and central Ireland. There was less than 80 per cent. over a large area from Stornoway to Loch Ericht with as little as 70 per cent. in parts of Ross-shire. Further details of the dry weather recorded in Scotland during the eight months November, 1935 to June, 1936 are given in a separate article in Part IV. Falls exceeding 140 per cent. were confined to areas in the neighbourhood of the Firths of Forth and Tay and a broad belt from Middlesbrough and York stretching across England and broadening near the south coast to extend from Lands End to Beachy Head. Falls exceeding 160 per cent. were confined to stations in Worcestershire, Dorsetshire and Hampshire. Thus at Fordingbridge, in Hampshire, the total was 32·4 inches, compared with an average of 19·1 inches. At this station the rainfall of each of the six months exceeded the average, while that of both November, 1935 and January, 1936 exceeded twice the usual amount. At Ventnor the total for the seven months August, 1935 to February, 1936 was 33·32 inches or just short of the largest amount ever recorded there in seven months, *viz.*, 33·39 inches from September, 1880 to March, 1881.

The *summer* half-year included the very wet July and the moderately wet June and September with 180, 122 and 134 per cent. respectively, and three dry months April, May and August with 78, 60 and 49 per cent. respectively. The general rainfall for the British

Isles as a whole was 104 per cent. ; England and Wales had an excess of 11 per cent., Ireland an excess of 6 per cent. and Scotland a deficiency of 10 per cent. Over England and Wales, Scotland and Ireland the summer of 1936 was slightly drier than that of 1935. The main features of the map showing the distribution of the rainfall as a percentage of the average were the areas with less than 80 per cent. in the west of Scotland from Tiree to Sutherlandshire, in the north of Aberdeenshire, in Berwickshire, at Portland Bill and in the south-west of Ireland, and the areas with more than 130 per cent. centred around Montgomery, Wellingborough and Cromer. At Glenquoich, on Loch Quoich, there was only 62 per cent. or 25·1 inches, compared with an average of 40·1 inches. Over most coastal districts of England, Wales and Ireland the totals approximated closely to the average. Over the north-west of England the rainfall was less than the average with 89 per cent. at Ulverston.

For the *seasonal year* there is a marked contrast between the north-west of Scotland with less than 80 per cent. and the greater part of England and Wales with over 120 per cent. The smallest values were those of 67, 70 and 72 per cent. recorded at Achnashellach, Glenquoich and Ullapool all in the north-west of Scotland. At Achnashellach the total was 56·4 inches, or 28·0 inches less than the average. The largest values were 151, 144 and 143 per cent. recorded at Fordingbridge, Birmingham and Wellingborough. At Fordingbridge the total was 47·9 inches or 16·3 inches in excess of the average.

A striking feature of the seasonal rainfall was the wet winter of 1935–36 following the wet summer of 1935. The total rainfall over the British Isles during the whole period, April, 1935 to March, 1936, was as much as 48·2 inches, corresponding to an excess of 7·1 inches. It will be seen from Table XXII(*b*) that for the period April, 1933 to March, 1934 the total was only 30·6 inches, a deficiency of 10·5 inches.

In *British Rainfall*, 1926, p. 125 values are given for the general rainfall over England and Wales, Scotland and Ireland separately back to 1906–7. In *British Rainfall*, 1924, p. 265 similar values are given for the British Isles from 1881 to 1924 and these statistics have since been continued back to 1870. The complete series is given in Table XXII(*b*). The changes in the seasonal distribution of rainfall become more apparent by taking the means of these values for the British Isles for successive groups of 10 years. From 1870 the excesses were contributed more especially by wet summers ; from 1884 to 1892 dry winters predominated ; from 1893 to 1910 the rainfall of both the summers and winters approximated closely to the average ; from 1907 to 1919 the winters were mainly wet with moderately dry summers and more recently the excesses were

contributed mainly by wet summers, although the rainfall of the winters also slightly exceeded the average. This state of affairs was not maintained, however, during the last seasonal year, October, 1935 to September, 1936, for the rainfall was markedly more excessive during the winter half-year than during the summer half-year.

Table XXII(*a*).—*Seasonal Rainfall*, 1935-36, *in relation to the Average*, 1881-1915.

Station.‡	Winter 6 Months, Oct. 1935-Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936-Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935-Sept. 1936. Per cent. of Average.	Station.‡	Winter 6 Months, Oct. 1935-Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936-Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935-Sept. 1936. Per cent. of Average.
St. Pancras (Camden Square)....	124	103	114	St. Austell (Trevarna).....	150	103	131
Tenterden (Ashenden).....	141	115	130	Litton (Sherborne Res.).....	139	97	121
Margate (Cliftonville).....	114	111	113	Cirencester (Gwynfa).....	143	119	132
Edenbridge (Falconhurst)	139	112	127	Church Stretton (Woolstaston)..	152	130	142
Compton (Compton House).....	145	105	128	Market Drayton (Old Springs)...	131	98	115
Eastbourne (Wilmington Square).	130	102	119	Malvern (Free Library).....	163	118	141
Ventnor (Royal National Hosp.)..	162	110	141	Alcester (Ragley Hall).....	148	114	131
Fordingbridge (Oaklands).....	169	124	151	Birmingham (Edgbaston).....	158	129	144
Sherborne St. John.....	132	115	125	Grantham (Belvoir Cas. Gdns.)...	132	124	128
Royston (Therfield Rectory).....	126	128	127	Boston (Black Sluice, Skirbeck)..	137	111	124
Slough (Upton).....	136	98	118	Louth (Westgate).....	123	111	118
Oxford (Radcliffe Met. Stn.).....	137	109	123	Worksop (Hodsock)	143	112	128
Wellingborough (Swanspool)	136	150	143	Derby (L.M.& S. Rly)	146	110	128
March	114	127	121	Birkenhead (Bidston Obsy.)	127	98	113
Chelmsford (County Gardens)....	135	111	123	Manchester (Whitworth Park)...	127	94	110
Rendlesham Hall.....	140	103	122	Stonyhurst (College)	110	97	104
Lowestoft (Secondary School)....	107	99	103	Ulverston (Poaka Beck).....	105	89	98
Bury St. Edmunds (Westley H.)..	127	112	120	Blackpool (Met. Obsy.).....	115	95	106
Wells (Holkham Hall).....	125	149	137	Wakefield (Clarence Park).....	153	113	133
Bishops Cannings	155	105	132	Hull (Pearson Park).....	125	109	117
Weymouth (Westham).....	166	76	130	West Witton (Ivy House).....	122	128	125
Beaminster (East Street).....	152	101	132	Felixkirk (Mount St. John).....	151	127	139
Teignmouth (Den Gardens).....	150	107	133	York (Museum Gardens).....	147	104	125
Cullompton.....	131	100	118	Scarborough.....	133	99	117
Barnstaple (N. Dev. Athenæum)..	117	106	112	Middlesbrough (Albert Park)....	145	122	133
Okehampton (Uplands).....	129	115	124	Newcastle (Leazes Park).....	145	109	127
Penzance (Morrab Gardens).....	144	114	132	Bellingham (Highgreen Manor)...	115	108	112
				Ilderton (Lilburn Tower Gardens)	130	91	112

‡ For Counties see Table XXI, pp. 117–121.

Table XXII(*a*).—*Seasonal Rainfall, 1935–36, in relation to the Average, 1881–1915—(con.).*

Station.‡	Winter 6 Months, Oct. 1935–Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936–Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935–Sept. 1936. Per cent. of Average.	Station.‡	Winter 6 Months, Oct. 1935–Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936–Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935–Sept. 1936 Per cent. of Average.
Carlisle (Scaleby Hall)	104	96	100	Glasgow (Queen's Park)	132	104	120
Keswick (High Hill)	97	93	96	Greenock (Prospect Hill)	101	80	92
Appleby (Castle Bank)	94	97	95	Dougarie Lodge	104	89	98
Abergavenny (Larchfield)	136	121	130	Loch Sunart (Glenborrodale)	85	82	83
Ystalyfera (Wern House)	102	103	102	Lochgilphead (Poltalloch)	117	112	115
Cardiff (Ely Pumping Station)	108	110	109	Inveraray Castle Gardens	119	96	110
Carmarthen (Model and Prac. Sch.)	124	115	120	Islay (Eallabus)	123	90	110
Pembroke (Stackpole Court)	127	108	119	Tiree	102	79	92
Birmingham W.W. (Tyrmynydd)	112	111	112	**Loch Leven Sluice**	118	83	102
Newtown (Penarth Weir)	129	148	137	Leuchars (Aerodrome)	152	98	125
Lake Vyrnwy	124	132	127	Loch Dhu	98	85	93
Blaenau Festiniog (Oakeley Q.)	99	122	109	Crieff (Strathearn Hydro)	103	90	98
Dolgelley (Bontddu)	109	124	115	Blair Atholl (Blair Castle Gardens)	93	95	94
Llandudno (Cricket Ground)	124	113	118	**Montrose (Sunnyside Asylum)**	140	84	113
Holyhead (Salt Island)	120	115	118	**Balmoral Castle Gardens**	105	82	95
Douglas (Borough Cemetery)	126	129	127	Aberdeen Observatory	117	83	102
Guernsey, St. Peter Port (Grange Rd)	169	117	149	**New Deer Schoolhouse**	120	78	101
Port William (Monreith)	122	126	124	Fochabers (Gordon Castle)	97	81	89
Dalry (Glendarroch)	107	98	103	**Grantown-on-Spey**	94	87	90
Dumfries (Crichton Roy. Inst.)	127	94	112	Nairn (Golf Course)	110	97	103
Hawick (Wolfelee)	111	98	106	Loch Ness (Foyers)	87	87	87
Stobo Castle	128	89	110	Loch Quoich (Glenquoich)	74	62	70
Marchmont House	125	77	102	Arisaig House	79	79	79
North Berwick Reservoir	143	115	129	Glenleven (Corrour)	77	86	80
Edinburgh (Blackford Hill)	150	88	118	**Alness (Ardross Castle)**	105	86	97
Girvan (Pinmore)	105	112	108	Ullapool	68	79	72
Glen Afton (Ayr Sanatorium)	122	90	108	Achnashellach	(67)	66	(67)

‡ For Counties see Table XXI, pp. 117–121.

Table XXII(*a*).—*Seasonal Rainfall,* 1935-1936, *in relation to the Average,* 1881-1915—(*con.*).

Station.‡	Winter 6 Months, Oct. 1935-Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936-Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935-Sept. 1936. Per cent. of Average.
Stornoway (Matheson Road)	76	82	79
Lairg	113	97	106
Tongue	93	99	95
Loch More (Achfary)	94	79	88
Wick (C. Guard Station)	118	105	112
Deerness	113	96	106
Dunmanway (The Rectory)	92	73	85
Cork (University College)	117	84	104
Mallow (Longueville)	119	102	112
Valentia Observatory	102	78	92
Gap of Dunloe (Gearhameen)	92	74	85
Waterford (Gortmore)	119	95	108
Nenagh (Castle Lough)	106	112	109
Cashel (Ballinamona)	98	129	111
Foynes (Coolnanes)	96	109	102
Gorey (Courtown House)	132	100	118
Bagnalstown (Fenagh House)	114	94	105
Hacketstown Rectory	107	106	106
Abbey Leix (Blandsfort)	103	130	116
Birr Castle	99	120	109
Straffan House	88	119	103
Dublin (Phœnix Pk.)	102	119	110
Kells (Headfort)	98	122	110
Mullingar (Belvedere)	107	124	115
Newtownforbes (Cas. Forbes Gdns)	94	104	99

Station.‡	Winter 6 Months, Oct. 1935-Mar. 1936. Per cent. of Average.	Summer 6 Months, Apl. 1936-Sept. 1936. Per cent. of Average.	Twelve Months, Oct. 1935-Sept. 1936. Per cent. of Average.
Galway (Grammar Sch.)	92	101	96
Ballynahinch Castle	106	96	102
Ahascragh (Clonbrock)	98	102	100
Strokestown (Castlenode)	108	117	112
Blacksod Point	86	94	89
Westport House	109	96	104
Delphi Lodge	96	97	96
Collooney (Markree Castle)	102	109	105
Newtownbutler (Crom Castle) ...	106	98	102
Armagh Observatory	103	116	110
Seaforde	130	104	118
Donaghadee (Coastguard Station).	131	118	125
Aldergrove (Aerodrome)	108	112	110
Ballymena (Harryville)	117	106	112
Londonderry (Creggan Reservoir) .	117	126	121
Omagh (Edenfel)	112	116	114
General Values* **England**	**134**	**110**	**123**
Wales	**118**	**119**	**118**
England and Wales ..	**131**	**111**	**122**
Scotland	**108**	**90**	**100**
Ireland	**106**	**106**	**106**
British Isles†	**119**	**104**	**112**

* **Obtained by taking the means of the percentage values for the stations.** † **Including Isle of Man and St. Peter Port, Guernsey.**

‡ **For Counties see Table XXI, pp. 117-121.**

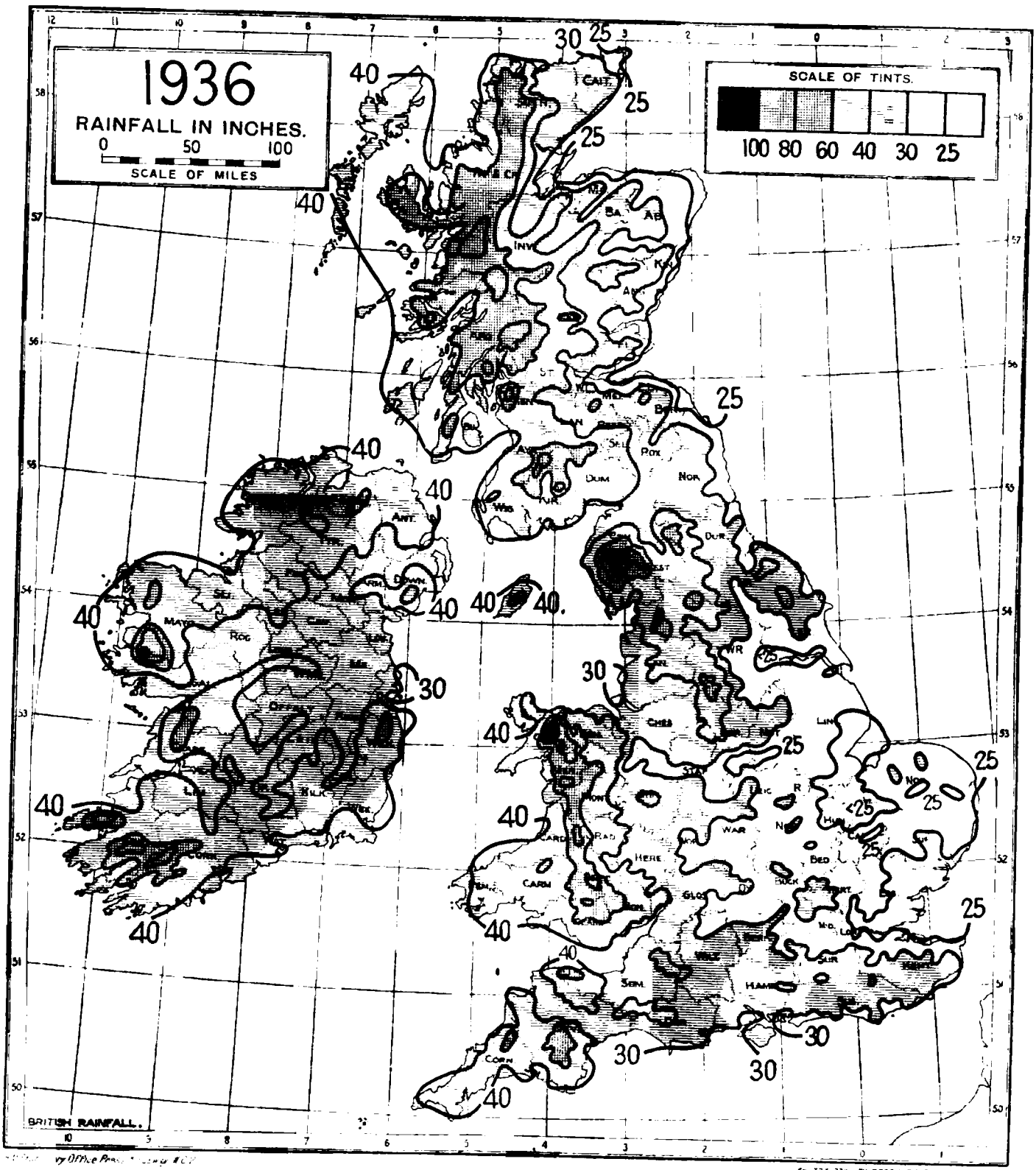
TABLE XXII(*b*).—*Serial General Values of Seasonal Rainfall for the British Isles,* 1870 *to* 1936.

	ACTUAL RAINFALL			PERCENTAGE OF AVERAGE 1881 to 1915		
	Winter	Summer	Seasonal Year	Winter	Summer	Seasonal Year
	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.
Oct. Sept.	in.	in.	in.	%	%	%
1870—1871	22·6	20·6	43·2	97	115	104
1871—1872	25·0	23·9	48·9	107	133	118
1872—1873	30·3	18·2	48·5	129	101	117
1873—1874	19·0	17·6	36·6	81	98	88
1874—1875	24·2	19·9	44·1	103	111	107
1875—1876	26·9	18·0	44·9	115	100	108
1876—1877	32·3	23·4	55·7	138	130	135
1877—1878	23·8	21·7	45·5	102	121	110
1878—1879	22·3	25·9	48·2	95	144	116
1879—1880	13·9	18·5	42·4	59	103	102
1880—1881	24·5	19·7	44·2	105	109	107
1881—1882	23·2	22·7	45·9	99	126	111
1882—1883	29·2	20·0	49·2	125	111	119
1883—1884	25·3	15·1	40·4	108	84	98
1884—1885	21·7	17·7	39·4	93	98	95
1885—1886	22·2	18·6	40·8	95	103	99
1886—1887	23·2	13·7	36·9	99	76	89
1887—1888	18·9	18·6	37·5	81	103	91
1888—1889	21·3	18·2	39·5	91	101	95
1889—1890	20·8	18·4	39·2	89	102	95
1890—1891	17·4	20·9	38·3	74	116	92
1891—1892	23·4	20·2	43·6	100	112	105
1892—1893	20·4	14·6	35·0	87	81	85
1893—1894	24·8	17·9	42·7	106	100	103
1894—1895	22·2	15·9	38·1	95	88	92
1895—1896	22·8	18·3	41·1	97	102	99
1896—1897	24·4	19·5	43·9	104	108	106
1897—1898	18·9	17·3	36·2	81	96	87
1898—1899	25·6	18·2	43·8	109	101	106
1899—1900	24·2	18·7	42·9	103	104	104
1900—1901	25·0	17·1	42·1	107	95	102
1901—1902	20·8	17·0	37·8	89	94	91
1902—1903	25·9	22·8	48·7	111	127	118
1903—1904	27·0	18·3	45·3	115	102	109
1904—1905	18·4	16·4	34·8	79	91	84

TABLE XXII(*b*).—*Serial General Values of Seasonal Rainfall for the British Isles*, 1870 *to* 1936—(*con.*).

	ACTUAL RAINFALL			PERCENTAGE OF AVERAGE 1881 to 1915		
	Winter	Summer	Seasonal Year	Winter	Summer	Seasonal Year
	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.	Oct. to Mar.	Apr. to Sept.	Oct. to Sept.
Oct. Sept.	in.	in.	in.	%	%	%
1905—1906	22·7	15·2	37·9	97	85	92
1906—1907	22·5	19·0	41·5	96	106	100
1907—1908	25·7	19·2	44·9	110	107	108
1908—1909	18·1	18·2	36·3	77	101	88
1909—1910	25·8	19·4	45·2	110	108	109
1910—1911	22·5	14·7	37·2	96	82	90
1911—1912	30·6	20·5	51·1	131	114	123
1912—1913	26·6	16·2	42·8	114	90	103
1913—1914	24·2	15·3	39·5	103	85	95
1914—1915	29·1	16·3	45·4	124	91	110
1915—1916	27·8	18·1	45·9	119	101	111
1916—1917	24·2	20·1	44·3	103	112	107
1917—1918	22·6	21·4	44·0	97	119	106
1918—1919	25·8	14·9	40·7	110	83	98
1919—1920	26·4	20·9	47·3	113	116	114
1920—1921	20·8	13·1	33·9	89	73	82
1921—1922	23·4	19·6	43·0	100	109	104
1922—1923	21·4	20·1	41·5	91	112	100
1923—1924	22·5	25·9	48·4	96	144	117
1924—1925	25·9	19·9	45·8	110	109	110
1925—1926	23·2	18·6	41·8	99	104	101
1926—1927	24·6	24·6	49·2	105	135	119
1927—1928	27·7	17·3	45·0	118	99	109
1928—1929	21·2	15·7	36·9	92	88	90
1929—1930	31·5	21·7	53·2	134	119	128
1930—1931	25·3	23·6	48·9	107	129	117
1931—1932	20·0	20·5	40·5	85	113	97
1932—1933	24·7	13·8	38·5	105	77	92
1933—1934	16·8	18·4	35·2	73	104	87
1934—1935	23·5	20·1	43·6	100	110	105
1935—1936	28·1	18·9	47·0	119	104	112

From 1881 to 1924 the values are taken from the article in Part IV *British Rainfall*, 1924, p. 285 and the values for earlier years were prepared in a similar manner. For these years the general amounts in inches are the sums of the monthly amounts obtained as explained in that article, and from these values the percentages were then computed. The procedure subsequently is somewhat different—the general amounts in inches are obtained from the monthly amounts given in Table XIX and the percentage values are computed separately from the percentage values at individual stations and given in Table XXII.



[Face page 133]

10. THE TOTAL FALL OF RAIN IN 1936 AND ITS RELATION TO THE AVERAGE.

The total rainfall for the year is given for over 5,500 stations in the British Isles in the General Table, Part III of this volume. As many of these totals as practicable have been plotted on a map on the scale of 19 miles to the inch. In the districts of relatively few rainfall stations, each record has been plotted, while in the more thickly represented areas some have had to be omitted. Isohyetal lines, or lines of equal rainfall amount, have been drawn giving a cartographical presentation of the distribution of the rainfall of the year over the land. The map is reproduced on a smaller scale as the folding plate opposite this page. Such a map is dominated by the orography of the country to such an extent that not only is it complicated in itself, but it also closely resembles its predecessors, the differences being noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a map such as that opposite p. 136, in which the percentage ratio of the rainfall for the year to the local average is shown. It has been coloured so that blue areas represent regions where the fall in 1936 was more than the average, and red areas represent regions where the fall in 1936 was less than the average for the standard period 1881–1915. The statistics on which the latter map is based are set out in Tables XXI and XXIV.

The percentage map for 1936 shows by means of continuous lines the places where the values of the rainfall were, respectively, 80, 90, 100, 110 and 120 per cent. of the average values.

The rainfall over England was less than the average only over small areas, e.g., near Eastbourne, Weymouth and Plymouth in the south; over north Devon; near Market Drayton, Nottingham and St. Helens; over central Lancashire and near Carlisle; and near Berwick-on-Tweed. Falls exceeding 110 per cent. occurred in many localities, e.g., over broad strips from Cornwall to Suffolk, from Gloucester to Stafford, from Bedford to Doncaster, from Buxton to Bolton and from Ripon to Newcastle. More than 120 per cent. occurred over a number of small areas, e.g., near Winchester, Farnborough, St. Albans, Walsingham; from Wellingborough to Leicester; from Hereford to Birmingham; from Church Stretton to Stoke; near Lincoln, Huddersfield and Barnard Castle.

Over Wales the rainfall varied from 93 at Ystalyfera to 125 at Denbigh and 124 both at Lake Vyrnwy and Newtown.

The rainfall was less than the average over the greater part of Scotland, especially in central and northern districts. Falls exceeding the average occurred to the south of the central plain, in Argyllshire and from Dornoch to Wick. There was a broad belt across central and northern Scotland, from Skye to Aberdeenshire, with less than 90 per cent. 80 per cent. or less occurred from Fort William to Ullapool, near Gordon Castle, Peterhead and Tiree.

Over Ireland falls less than the average occurred along the south, west and north coasts, as well as in the neighbourhood of Co. Cavan. There was more than 110 per cent. to the north of Cork, in Co. Wexford, in Co. Leix, near Mullingar, over a large area from Armagh to Londonderry and from Dundalk to Belfast.

The largest percentage values in Tables XXI and XXIV are :—

Wells (Holkham Hall)	129 per cent.
Cahir Abbey	128 ,,
Church Stretton (Woolstaston) ..	127 ,,
Shifnal (Hatton Grange)	126 ,,
Wellingborough (Swanspool) ..	126 ,,

The smallest values are :—

Lochquoich (Glenquoich)	76 ,,
Ullapool	79 ,,
Achnashellach	79 ,,
Fochabers (Gordon Castle)	79 ,,

The small percentage values in the Western Highlands of Scotland were due more especially to the dry period which occurred there during the first six months of the year. Further details are given in a separate note in Part IV.

Use is made of the percentage values at the 251 stations of both Tables XXI and XXIV to derive general values of the total rainfall for the year over the British Isles and over the larger divisions separately. These values are set out in the following table :—

Table XXIII.—*General Rainfall,* 1936, *compared with average.*

Countries.	No. of Stations.	Average 35 years 1881-1915.	1936	
			Per cent.	Rainfall.
		in.		in.
England	120	32·67	109	35·6
Wales.....	19	50·14	109	54·6
England and Wales.....	139	35·23	109	38·4
Scotland	63	50·32	94	47·3
Ireland	47	43·30	105	45·5
British Isles†	251	41·41	105	43·5

† Including Isle of Man and Guernsey, St. Peter Port.

For the British Isles as a whole, the rainfall of 1936 was 5 per cent. in excess of the average. 1936 was therefore not as wet as 1935 but wetter than 1934. The total rainfall over England and Wales and over Ireland exceeded the average, while there was a small deficiency over Scotland. Over England and Wales 1936 was slightly drier than 1935; over Scotland, 1936 ranks as the driest year since 1922, with the one exception of 1933; over Ireland, 1936 was wetter than either 1935, 1933 or 1932.

The general distribution of the actual rainfall, as shown on the folding plate, is similar to that for other years The total for the year varied from about 21 inches in the neighbourhood of the Thames Estuary and the Moray Firth, to over 150 inches in parts of the English Lake District and Snowdonia. The totals in Scotland and Ireland nowhere exceeded 100 inches. Over practically the whole of Ireland, the rainfall exceeded 28 inches. Falls of more than 100 inches were confined to the English Lake District and Snowdonia.

Among the largest totals reported for the year and set out in the General Table, Part III, the following may be mentioned :—

		Inches.
England ...	Cumberland, Borrowdale (Sprinkling Tarn)	150·50
	,, ,, (Stye Head A.)	148·25
Wales ...	Snowdon (Grib Goch)	171·05
	,, (Delta)	167·70
	,, (L. Llydaw Copper M.)	166·18
Scotland ...	Inverness, Loch Quoich (Loan)	93·41
	,, ,, (Kinlochquoich) ..	93·01
Ireland ...	Mayo, Aasleagh House	98·41
	,, Delphi Lodge	94·56

The stations with the largest annual totals during 1936 occurred therefore on Snowdon.

Some of the smallest totals for the year are set out below :—

		Inches.
England ..	Essex, East Ham Well	19·36
	Essex, Ilford Sewage Works	21·01
	Essex, Shoeburyness	21·10
Scotland ..	Cromarty, Tarbetness	19·78
	Banff	22·13
	Angus, Montrose	22·31
Ireland ..	Dublin (Trinity College)	27·57
	Dublin, Lambay Island	28·28
	Dublin, Glasnevin (Botanic Gardens) ..	29·56

Table XXIV.—*Rainfall of* 1936 *as Percentage of Average,* 1881-1915.*

County.	Station.	Per cent. of Average.	County.	Station.	Per cent. of Average.
	ENGLAND		North'ld ...	Hallington Res.	105
Surrey	Reigate (Wray Park Rd.)....	114	,, ...	Morpeth (Cockle Park).....	104
Kent	Lympne (Airport).....	105	,, ...	Howick Hall.....	101
,, ...	Biggin Hill (Aerodrome).....	104	Cumberland	Penrith (Newton Rigg)	95
Sussex	Patching Farm.....	100	,, ..	Borrowdale (Seathwaite).....	105
,, ...	Horsham (Wimblehurst).....	110	,, ..	Ravenglass (The Grove).....	103
Hampshire	Totland Bay (Aston House)...	103	Westmorl'd	Grasmere (The Wray).....	104
,, ..	Portsmouth (Victoria Park)...	104			
Berkshire ..	Wellington College.....	116			
Hertford ...	Harpenden (Rothamsted)....	114		**WALES**	
Oxford.....	Middleton Park (*new g.*).....	108	Carmarth'n.	Llanddeusant (Pontcrynfe)....	102
Bedford....	Woburn (Experimental Farm).	116	Pembroke .	St. Ann's Head (C. Guard Stn.)	99
Cambridge .	Cambridge (Botanic Gardens)..	114	Cardigan ..	Yspytty-ystwyth (Hafod)	98
Essex.....	Elsenham (Gaunts End).....	113	Montgom'y	Welshpool (County School)...	103
,, ...	Bradwell-on-Sea	104	Denbigh ...	Wrexham (Pack Saddle Res.)..	118
Suffolk	Campsea Ashe (High House)..	115	,, ..	Denbigh (Garn)	125
Norfolk	Cromer (Howards Hill).....	106	Anglesey ..	Llanerchymedd (Llwy'thEsgob)	106
,, ...	Swaffham (The Villa).....	119			
Wiltshire ...	Larkhill (School of Artillery)..	111			
,, ...	Marlborough (College).....	107		**SCOTLAND**	
Dorset	Creech Grange.....	105	Dumfries ..	Langholm (Ewes).....	102
Devon S....	Plymouth (The Hoe).....	99	,, ...	Eskdalemuir Obsy.....	104
,, ...	Tavistock	103	Selkirk	Ettrick Manse.....	96
,, N. ...	Torrington (Enfield)	92	Midlothian .	Moorfoot Hills (Gladhouse R.).	113
Cornwall ..	Newquay (Mount Wise)	113	Ayr	Maybole (Culzean Castle Gdns.)	117
,, ..	Falmouth (Observatory).....	106	Renfrew ...	Paisley W.W. (Backth'ley'm.).	105
,, ..	St. Marys (Coastguard Station)	117	Argyll	Corran Lighthouse.....	87
Somerset...	Bath (Henrietta Park).....	101	,, ...	Mull of Kintyre.....	93
,, ...	Street (Millfield)	115	,, ...	Loch Eck (Ben More).....	95
Gloucester..	Cheltenham (Montpellier Gns.)	114	,, ...	Lismore (Mousedale.....	101
Hereford ..	Ross (Birchlea).....	118	Perth.....	Glengyle	95
,, ..	Hereford (Belmont Abbey)...	125	,, ...	Perth (Wellshill Cemetery)....	97
Shropshire .	Shifnal (Hatton Grange).....	126	Angus	Kirriemuir (Lintrathen)	93
Stafford....	Mayfield.....	105	Aberdeen ..	Braemar (Bank).....	84
,, ...	Leek (Wall Grange).....	105	,, ...	Logie Coldstone School.....	84
Worcester..	Stourport (Lincombe Lock)...	115	,, ...	Ellon (Esslemont House).....	99
Warwick ..	Coventry (City Hospital).....	108	Banff	Banff	83
Leicester ..	Thornton Reservoir.....	122	Ross	Applecross Gdns.....	93
Rutland ...	Uppingham (Ridlington).....	115	Sutherland .	Melvich	91
Lincoln	Spalding (Pode Hole).....	110	Orkney	Lerwick (The Nabb C. Guard Station).....	86
,, ...	Lincoln (Skellingthorpe Hall).	122			
,, ...	Skegness (Marine Gardens)....	105			
Nottingham	Nottingham (Strelley).....	98			
Derby	Buxton (Terrace Slopes).....	113		**IRELAND**	
Cheshire ...	Runcorn (Weston Point)	103	Kerry	Darrynane Abbey.....	97
Lancs. C. ..	Wigan W.W. (Worthington)..	118	Waterford..	Portlaw (Mayfield)	102
,, N...	Lancaster (Greg Observatory).	97	Tipperary..	Cahir (Abbey).....	128
Yorks W.R.	Huddersfield (Oakes).....	125	Wexford ..	Foulkesmill (Longraigue).....	112
,, ...	Harrogate (Harlow Moor)....	107	Wicklow ..	Shillelagh (Coollattin Gardens)	106
Yorks E.R..	Patrington (Rose Cottage)....	108	Dublin.....	Balbriggan (Ardgillan)	108
,, ...	Holme-on-Spalding Moor	104	W'meath...	Athlone (Twyford House)....	104
,, ...	Lowthorpe (The Elms)	106	Louth	Greenore	120
,, N.R.	Pickering (Hungate Hall)....	108	Mayo.....	Aasleagh House	103
,, ...	Guisborough (Lockwood Res.)	115	Down.....	Waringstown (The Forge)....	105
Durham ...	Barnard Castle(Bowes Museum)	123	Antrim	Belfast (Queen's Univ.).....	125
,, ...	Ushaw (College).....	114	L'derry	Limavady (Drenagh)	91

*See also Table XXI pp. 117–121

RELATION OF RAINFALL IN 1936 TO THE AVERAGE OF 1881-1915.

The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

[Face page 136]

11.—EVAPORATION AND PERCOLATION IN 1936.

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation which is measured is that from a free water surface. The standard gauge at Camden Square is 6 ft. square and 2 ft. deep, and is sunk so that the lip projects about 3 inches. A photograph showing the Meteorological station, including the tank, at Camden Square was reproduced as the *frontispiece* of *British Rainfall*, 1921. The routine consists of the daily measurement of the level of the water below a mark fixed in the tank. From the difference between consecutive daily measurements, is deducted the rainfall for the same period, as measured in an adjacent rain-gauge. The net depression of the water-level in the tank during the interval of 24 hours is taken to be a measure of the evaporation. Sometimes in winter the "evaporation" comes out as a small negative quantity; this is regarded as due to the condensation of water from the superincumbent air, and the corresponding measurements are marked "c" in the tables. So far as is practicable, the level of the water is kept about 2 to 3 inches below the top of the lip. This necessitates water being added in summer and syphoned off in winter. During the winter months there is some difficulty in getting a reading when the water freezes. In such cases the ice is broken away from the side of the tank and the measurement of the water-level is made while the ice is floating. If this cannot be done any morning, owing to the thickness of the ice, a measurement is made as soon as possible (on a subsequent morning), and the amount of evaporation calculated over the whole period. The evaporation is small in winter, so that little information is lost by adopting this procedure.

The accuracy of the measurements of evaporation depends on the depth of water caught as rain in the evaporation tank being identical with that measured directly in the rain-gauge alongside. Some of the factors which are likely to vitiate the measurements of evaporation were discussed in *British Rainfall*, 1925, pp. 127–128 and in *British Rainfall*, 1931, pp. 268–274.

The list of stations given in Table XXV, for which details of the evaporation are available for 1936, is the same as last year, apart from the addition of Fenwick (Amlaird Filters), maintained by Mr. W. Dunbar, Burgh Surveyor at Kilmarnock.

The size of the tank at Amlaird Filters is 6 ft. × 4 ft. with an average depth of water approximately 2 ft. 9 in. The total depth of the tank itself is 3 ft. 3 in. and the top edge is raised some 4 inches above the ground. This tank has a smaller cross-section but is deeper than that at Camden Square, the capacity being about the same. The level is measured by a large float connected to a 10 to 1 reduction gear.

The monthly and annual means for the fourteen stations are set out in the last column of the table. For the year the mean evaporation is 15·5 inches. This is the smallest value since 1932 and 1931 when the corresponding values were 15·1 inches and 14·6 inches respectively. Both 1932 and 1931 were dull years and in 1936 there was also a deficiency of sunshine. This was most marked in the southern half of England. In the north of Scotland many stations enjoyed considerable excess of sunshine but there are no evaporation tanks in this area. The evaporation was less than the average in each case apart from Harrogate where there was only a small excess. The sunniest months during 1936, compared with the average, were February, April, August, October and December and the dullest March, July and September. The mean evaporation values show the effects of the sunny April and August and the dull July and September. As much as 13·2 inches or 85 per cent. of the total was evaporated in the six summer months. There is a fairly uniform change from a maximum in June to a minimum in January, although the evaporation in August exceeded that of July.

Evaporation at Camden Square (*London*). The monthly evaporation values for the 52 years, 1885 to 1936, are set out in Table XXVII. The record is the longest available in this country. For 1936 the evaporation of 13·71 inches was 1·79 inches less than the average for the 35 years (1885–1919). The total evaporation was as much as 3·40 inches less than that recorded in 1935, and 4·76 inches less than in 1933. The total evaporation was largest in May when the total was 2·68 inches or ·25 inch more than the average. The evaporation was less than the average in every other month except October, the total deficiency for the four months June to September being 1·67 inches. Values exceeding ·12 inch were confined to the four months May to July. No daily entry exceeded ·20 inch.

Percolation gauges. In Table XXVI the amount of water which percolates through a definite depth of soil is given. The list of stations is the same as for 1935. Details of the percolation gauges and the type of soil are set out in the footnotes, in *British Rainfall*, 1924, p. 128, in *British Rainfall*, 1932, p. 143 and in *British Rainfall*, 1934, p. 137. The difference between percolation and rainfall is largely to be accounted for by evaporation, but evaporation as determined in this

way (known as " calculated evaporation ") is not strictly comparable with that given in the earlier table. There is no free water surface present in the percolation gauge, but during dry periods the surface soil is nearly dry, so that practically no evaporation can take place. In dry years the calculated evaporation, as obtained from the percolation gauges, will be less than similar values for wet years, and less than the values obtained from the water surface in a tank. In 1936 the mean value from the 13 percolation gauges was 16·49 inches, compared with 17·81 inches in 1935. The corresponding values from the evaporation tanks showed a much greater change *viz.* from 18·31 inches in 1935 to 15·49 inches in 1936.

At Compton the total percolation through the gauge (which consists of 10 inches of soil, on which grass is grown, over 2 feet of well-rammed chalk) was only ·43 inch for the 178 days from May 3rd to October 27th. On the other hand the measured amount of percolation for the two months November to December was 8·10 inches compared with a rainfall of 8·57 inches. At Farlington there was practically no percolation through any gauge during the five months June to October. At Rothamsted there was no percolation through the 20 inch gauge from April 15th to June 20th and again from August 5th to September 19th. At Craibstone the total percolation for the seven months April to October through the manured and limed soil was only ·11 inch. There was little percolation during the seven months April to October.

The records from the Farlington gauges continue to show a consistent diminution in the amount of percolation as the depth of the gauge increases. This suggests that in order to form a reliable estimation of the amount of the rain which actually reaches the underground water table, a gauge not less than 6 feet deep should be employed. On the other hand the 20 inch and 60 inch gauges at Rothamsted continue to record approximately the same percolation, while that through the 40 inch gauge is somewhat greater. The differences are accounted for by variations in the composition and structure of the soil of the gauges, and in this case it seems reasonable to conclude that the 20-inch gauge is of sufficient depth to give a good indication of the water likely to penetrate the sub-soil there.

The three gauges at Craibstone, each 40 inches deep, were under barley in 1936, whereas they were under turnips in 1935, oats in 1934, potatoes in 1933 and pasture in 1932. The amount of percolation was less when the soil was manured and less still when it was manured and limed, the variation being due presumably to the greater growth of barley in the latter cases.

Table XXV.—*Evaporation in* 1936.

List of Stations.	County.	Observer.	Particulars of Tank. Height above Ground.	Height above Sea Level.	Side.	Capacity.
			ft. in.	ft.	ft. in.	Gals.
Camden Square.	London 2	Royal Meteor. Soc. ..	0 3	111	6 0	450
Otterbourne ..	Hampshire 5	J. Hawksley, Esq. ..	0 3	112	6 0	450
Petersfield	,, ...6	C. J. P. Cave, Esq.*	0 3	747	4 0	250
Ormesby St. M..	Norfolk 2	Gt. Yarmouth W.W.	0 3	21	6 0	450
Kennick	South Devon 5	N.G. Elliot, Esq.,C.E.	0 3	835	6 0	450
Bartley	Warwickshire....4	J. W. Wilkinson, Esq.	0 3	611	6 0	450
Revesby	Lincoln 3	T. Henry Tyson, Esq.	0 6	124	6 0	450
Southport	Cen. Lancashire...3	The Corporation	0 3	37	3 0	112
Ardsley, No. 1	Yorkshire, W.R. 8	Wakefield Corp.W.W.	0 3	395	6 0	450
Lower Laithe ..	,, ,, 9	J. N. Wood, Esq., M.C., C.E.....	0 6	772	6 0	450
Harrogate	,, ,, 11	A. S. West, Esq.	0 3	589	6 0	450
Talla Water ..	Peebles 1	Messrs. Leslie & Reid	0 3	904	6 0	450
Glencorse Filters	Midlothian 4	,, ,,	0 3	639	6 0	450
Amlaird Filters	Ayr 3	W. Dunbar, Esq.....	0 4	590	†	650

1936.	Camden Square.	Otterbourne.	Petersfield.	Ormesby St. Michael.	Kennick.	Bartley.	Revesby.	Southport.
	in.	in.	in.	in.	in.	in.	in.	in.
January....	·02	·14	·03	·13	·05	·07	·02	·13
February ..	·23	·60	·28	·08	·66	·11	c. ·07	·24
March	·60	·87	·64	·46	·48	·41	·52	·57
April	1·35	1·96	1·79	1·24	1·69	1·45	·89	1·76
May	2·68	3·28	3·39	2·83	2·88	2·20	2·16	2·68
June	2·57	3·13	2·89	2·95	2·86	2·35	1·96	2·63
July	2·23	2·83	2·33	1·17	1·98	2·40	1·95	2·70
August	1·99	2·98	3·64	2·01	2·82	2·61	1·75	2·10
September .	1·13	1·83	1·49	1·64	1·50	1·42	1·18	1·27
October ...	·73	1·03	·94	1·17	1·04	1·01	·20	·63
November..	·17	·40	·32	·32	·27	·33	·21	·06
December ..	·01	·01	·00	·44	·08	·18	c. ·08	·11
Year	13·71	19·06	17·74	14·44	16·31	14·54	10·69	14·88
1908–1936..	15·27	19·65	..	..	18·52	..	..	..
Difference ..	− 1·56	− ·59	..	..	− 2·21	..	..	..

1936.	Ardsley No. 1.	Lower Laithe.	Harrogate.	Talla Water.	Glencorse.	Amlaird Filters.	Mean of 14 Records.
	in.	in.	in.	in.	in.	in.	in.
January	·05	·46	·20	·00	·05	c ·38	·07
February	·08	c ·31	·33	·16	·00	c ·03	·17
March	·50	·26	·68	·44	·18	·62	·52
April	2·02	1·75	1·92	1·39	1·59	1·89	1·62
May.....	2·63	2·25	2·49	2·81	2·22	2·77	2·66
June	2·64	2·31	3·11	2·85	3·10	2·51	2·70
July	2·87	2·43	3·33	1·99	2·67	2·00	2·35
August	2·63	2·28	2·63	1·67	2·79	1·84	2·41
September	1·41	1·77	2·00	1·12	1·22	1·31	1·45
October	1·07	1·57	1·47	·45	1·07	1·06	·96
November	·25	·91	·58	·01	·31	·39	·32
December.....	·33	1·11	·94	·29	·28	c ·03	·26
Year	16·48	16·79	19·68	13·18	15·48	13·95	15·49
Average, 1908–1936 ..	17·55	..	19·44	15·20	..	..	..
Difference	− 1·07	..	+ ·24	− 2·02	..	..	..

NOTE.—In the Table, " c " indicates an excess of condensation over evaporation.

* Per Royal Meteorological Society. † 6 ft. × 4 ft.

Table XXVI.—*Rainfall, Percolation and Calculated Evaporation, in* 1936.

(Unless otherwise stated the size of the percolation gauges is 3 ft. × 3 ft. × 3 ft.)

1936.	Compton, Sussex.		¶ Rothamsted, Herts.				‡ Farlington, Hants.						Harrogate, Yorks.		¶ Craibstone, Aberdeen.			
			Percolation*					Percolation							Percolation §			
	Rainfall.	Percolation.	Rainfall†	20″ Soil.	40″ Soil.	60″ Soil.	Rainfall.	24″ Chalky	36″ Marl**	48″	36″ Sand‖	36″ Chalk‖	Rainfall.	Percolation.	Rainfall.	1†† 40″ Soil.	2‡‡ 40″ Soil.	3‖‖ 40″ Soil.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	6·29	6·62	3·87	3·81	3·90	3·72	5·33	4·79	4·80	4·81	4·90	4·90	3·99	4·09	5·72	5·46	5·36	4·58
February	3·05	3·06	2·12	1·84	2·07	1·96	2·75	2·07	2·14	2·21	2·37	2·40	2·28	1·82	2·88	2·53	2·53	2·29
March	2·97	2·13	1·25	·44	·53	·52	2·00	·62	·52	·44	·61	·64	2·71	2·65	1·70	·67	·66	·66
April	2·83	2·11	1·22	·24	·27	·27	1·88	·87	·71	·74	·76	·80	1·76	·96	·69	·11	·15	·10
May	·40	·02	·44	·00	·01	·01	·15	·02	·03	·06	·08	·09	2·12	·21	1·46	·02	·01	·01
June	3·17	·00	6·04	2·85	2·07	1·89	2·71	·00	·00	·01	·00	·01	4·64	1·38	1·35	·01	·00	·00
July	5·64	·36	4·47	1·88	2·09	1·89	3·98	·00	·00	·01	·00	·00	4·45	1·52	5·53	·20	·03	·00
August	·91	·07	·29	·02	·06	·05	·67	·00	·00	·00	·00	·00	2·07	1·19	1·54	·04	·00	·00
September	3·24	·01	3·34	1·13	1·23	·12	3·94	·11	·01	·00	·00	·00	2·45	·22	1·91	·01	·01	·00
October	1·59	·18	1·62	·62	·64	·57	·95	·00	·00	·00	·00	·00	1·85	·43	1·30	·01	·00	·00
November	5·44	5·28	3·63	3·39	3·70	3·47	4·95	4·04	2·52	1·75	1·49	1·38	3·23	3·27	2·09	1·42	·87	·36
December	3·13	2·82	2·08	1·74	1·87	1·82	2·64	2·02	1·96	1·89	1·97	2·00	2·39	2·03	1·94	1·72	1·53	1·35
Year	38·66	22·66	30·37	17·96	18·44	17·29	31·95	14·54	12·69	11·92	12·18	12·22	33·94	19·77	28·11	12·20	11·25	10·35
Calculated Evaporation	..	16·00	..	12·41	11·93	13·08	..	17·41	19·26	20·03	19·77	19·73	..	14·17	..	15·91	16·86	17·76

¶ Area of gauges one thousandth of an acre.
† Values obtained from the 8-inch gauge.
* Through bare unworked soil.
‡ 36-inch diameter gauges.
** Depths include 12 in. of top soil and turf.
‖ Depths include 6 in. of top soil and turf.
§ The gauges were under **barley.**
††Unmanured ‡‡Manured ‖‖Manured and limed.

Table XXVII.—*Evaporation at Camden Square, London,* 1885–1936.

	Jan. in.	Feb. in.	Mar in.	April in.	May. in.	June. in.	July. in.	Aug. in.	Sept. in.	Oct. in.	Nov. in.	Dec. in.	Total in.
1885.....	·20	·38	·86	1·71	1·98	2·77	3·29	2·25	1·13	·77	·17	·11	15·62
1886.....	·23	·13	·53	1·59	1·78	2·93	3·12	1·86	1·46	·63	·27	·12	14·65
1887.....	c·07	·29	·76	1·72	1·79	3·68	3·76	2·54	1·25	·78	·21	·07	16·78
1888.....	·07	·37	·48	1·16	2·71	2·24	1·44	1·90	1·17	·60	·43	·03	12·60
1889.....	·03	·18	·62	1·07	1·76	2·97	2·34	1·96	1·52	·42	·29	c·13	13·03
1890.....	·08	·19	·50	1·44	2·63	2·14	2·33	2·02	1·27	·79	·31	·04	13·74
1891.....	·03	·16	·73	1·35	1·66	2·83	2·34	1·67	1·00	·62	·20	·22	12·81
1892.....	·05	·09	·60	1·88	2·65	3·05	2·84	2·20	1·01	·36	·02	·20	14·95
1893.....	c·03	·01	·92	2·33	3·06	3·62	3·12	2·85	1·48	·70	·11	·01	18·18
1894.....	c·04	·28	·83	1·17	2·10	2·48	2·49	1·91	·97	·37	·20	·11	12·87
1895.....	·14	·64	·36	1·26	3·06	3·31	3·07	2·12	1·27	·54	·19	·07	16·03
1896.....	·16	·24	·64	1·57	3·06	3·21	3·63	1·96	·68	·47	·18	·00	15·80
1897.....	·23	·21	·76	1·23	2·99	2·48	3·60	2·49	·99	·63	·26	c·14	15·73
1898.....	·19	·37	·51	1·28	1·56	2·10	2·96	2·53	1·73	·45	·11	·16	13·95
1899.....	·04	·28	·52	1·24	2·34	3·67	4·03	3·78	2·01	·45	·41	·11	18·88
1900.....	·03	·16	·80	1·46	2·35	2·85	4·25	2·61	1·61	·89	·24	·15	17·40
1901.....	·13	·24	·60	1·98	3·25	3·85	3·37	3·19	1·42	·64	·31	c·05	18·93
1902.....	·16	·15	·71	1·75	1·78	2·33	3·30	1·71	1·47	·69	·28	·27	14·60
1903.....	·26	·39	·97	1·57	2·24	2·79	3·35	2·53	1·51	·86	·29	·12	16·88
1904.....	c·09	·26	·54	1·68	1·81	3·32	4·06	2·86	1·20	·50	·26	·02	16·42
1905.....	·17	·35	·65	1·14	3·19	2·49	3·65	2·23	1·24	·78	·09	·16	16·14
1906.....	·06	·21	·73	1·90	1·90	3·53	3·65	3·46	2·38	·78	·27	·16	19·03
1907.....	·21	·38	1·02	1·27	1·93	2·47	2·65	2·24	1·72	·49	·27	·19	14·84
1908.....	·05	·27	·56	1·32	2·23	3·77	2·75	2·47	1·25	·48	·29	·14	15·58
1909.....	·14	·30	·30	1·85	2·93	1·70	2·60	2·23	·84	·76	·17	·16	13·98
1910.....	·22	·17	·80	1·43	2·52	2·57	2·00	2·12	1·42	·76	·19	·10	14·30
1911.....	·15	·32	·59	1·77	2·58	3·34	4·60	3·19	1·96	·64	·37	·02	19·53
1912.....	·24	·16	·79	2·34	2·44	2·49	2·55	1·69	1·41	·39	·33	·12	14·95
1913.....	·10	·32	·77	1·25	2·49	3·13	2·15	2·09	1·07	·61	·36	·32	14·66
1914.....	·09	·24	·52	1·84	2·56	2·93	2·72	1·99	1·68	·70	·28	·05	15·60
1915.....	·11	·13	·66	1·65	2·90	3·15	2·50	1·76	1·61	·56	·25	c·03	15·25
1916.....	·19	·34	·30	1·61	2·32	2·20	2·23	2·34	1·20	·76	·34	c·04	13·79
1917.....	·11	·17	·53	1·18	3·06	3·01	2·81	1·95	1·16	·75	·34	·12	15·19
1918.....	·14	·27	·85	·89	2·38	3·01	2·59	2·04	1·69	·40	·24	·16	14·66
1919.....	c·12	·13	·66	1·06	2·94	3·39	1·90	2·78	1·53	·61	·08	·06	15·02
1920.....	·20	·24	·78	·85	2·71	2·85	2·09	2·00	1·04	·66	·04	·00	13·46
1921.....	·20	·28	·96	1·91	3·04	3·66	4·17	2·56	1·72	·72	·19	·28	19·69
1922.....	·16	·31	·96	1·20	2·93	3·36	2·09	1·74	1·11	·66	·27	·14	14·93
1923.....	c·01	·16	·65	1·26	2·16	2·16	3·59	2·79	1·24	·73	·24	·02	14·99
1924.....	c·17	·28	·73	1·28	2·27	2·91	3·21	1·82	1·11	·59	·33	·11	14·47
1925.....	·12	·30	·83	1·30	2·34	3·48	2·61	1·58	1·01	·56	·37	·00	14·50
1926.....	c·03	·12	1·03	1·06	2·07	2·50	2·51	2·12	1·34	·74	·20	·05	13·71
1927.....	·05	·19	·65	1·45	2·91	2·64	2·01	1·75	1·08	·37	·29	·13	13·52
1928.....	c·04	·23	·70	1·33	2·15	3·04	4·08	2·17	1·67	·57	·36	·03	16·29
1929.....	·20	·29	·64	1·53	2·66	2·93	3·42	2·22	1·81	·80	·27	·14	16·91
1930.....	·13	·26	·90	1·07	1·82	3·07	2·85	1·98	1·16	·71	·28	·08	14·31
1931.....	·03	·22	·88	1·03	1·92	2·69	2·60	1·75	·97	·68	·12	·24	13·13
1932.....	·14	·33	·64	1·08	1·65	3·05	2·33	2·33	1·05	·63	·23	·10	13·56
1933.....	·08	·20	·80	1·70	2·36	3·48	3·44	3·13	1·86	·83	·33	·26	18·47
1934.....	·01	·19	·53	1·32	2·90	3·31	4·07	2·42	1·79	·93	·23	c·03	17·67
1935.....	·14	·32	·99	1·25	2·66	2·65	4·04	2·69	1·45	·74	·16	·02	17·11
1936.....	·02	·23	·60	1·35	2·68	2·57	2·23	1·99	1·13	·73	·17	·01	13·71
Average 1885–1919...	·10	·25	·66	1·51	2·43	2·91	2·97	2·33	1·38	·62	·25	·09	15·50
Difference 1936—	−·08	−·02	−·06	−·16	+·25	−·34	−·74	−·34	−·25	+·11	−·08	−·08	−1·79
Monthly Extremes of Evaporation, 1885-1936.													
Largest—													
Amt. (in.)	·26	·64	1·03	2·34	3·25	3·85	4·60	3·78	2·38	·93	·43	·32	19·69
Year	1903	1895	1926	1912	1901	1901	1911	1899	1906	1934	1888	1913	1921
Smallest—													
Amt. (in.)	c ·17	·01	·30	·85	1·56	1·70	1·44	1·58	·68	·36	·02	c ·14	12·60
Year	1924	1893	1909 / 1916	1920	1898	1909	1888	1925	1896	1892	1892	1897	1888

Note.—c indicates condensation.

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

BRITISH RAINFALL, 1936

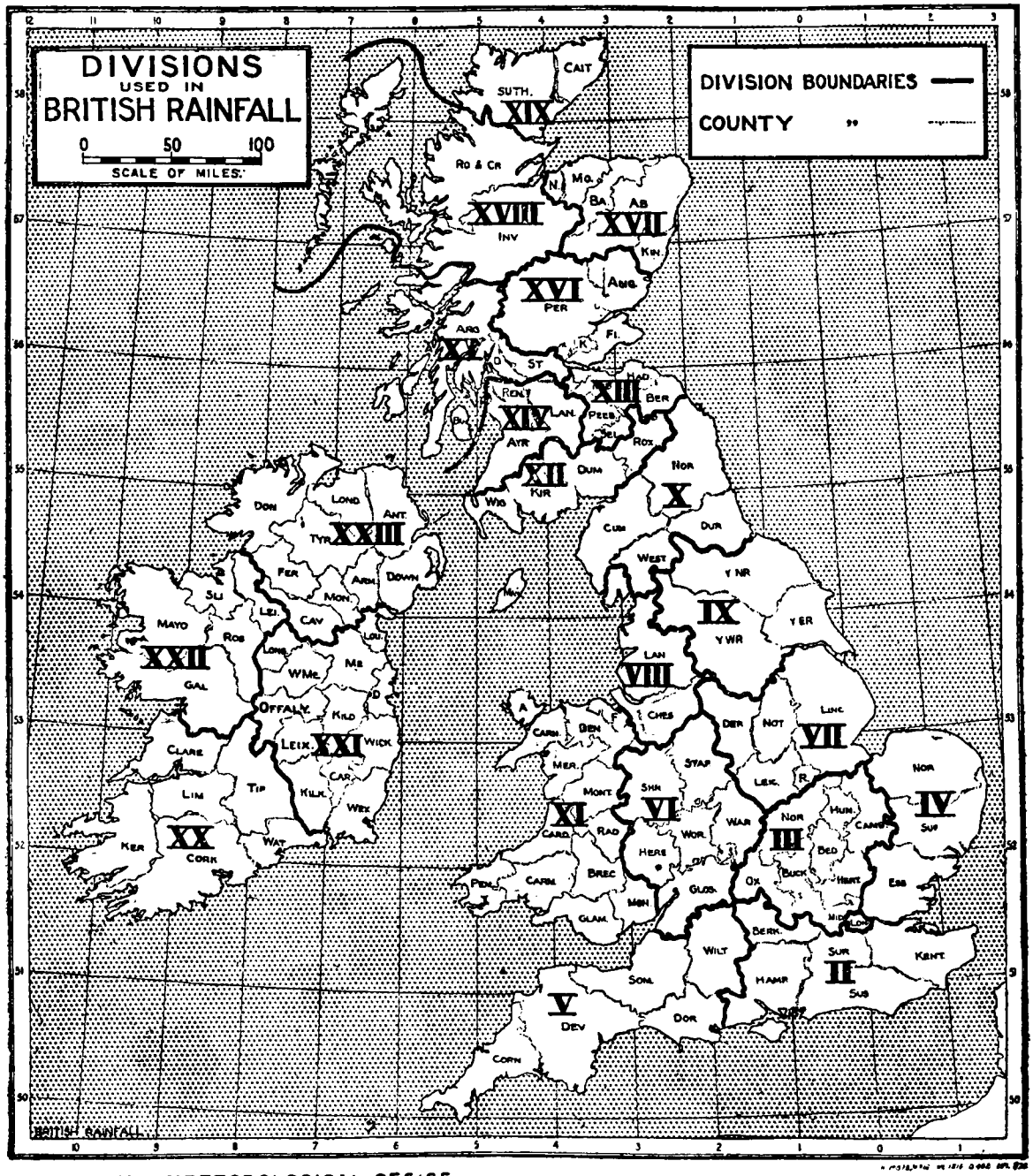
PART III

General Table of

TOTAL RAINFALL IN 1936

AT STATIONS IN GREAT BRITAIN
AND IRELAND WITH THE NAMES OF
THE OBSERVERS OR OTHER AUTHORITIES
FOR THE OBSERVATIONS

Issued by the Authority of
the Meteorological
Committee



AIR MINISTRY, METEOROLOGICAL OFFICE

EXPLANATORY NOTE.

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37-66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40-72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of the river basins of the Great Ouse and tributaries in Norfolk and Cambridge were redetermined in 1928; the values printed in this volume and in the volume for 1927 differ slightly from those published in *British Rainfall* from 1910 to 1926. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire we have four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Haslemere (Clammer Hill)" means Clammer Hill, near Haslemere.

Stations the names of which are printed in small capitals, *e.g.*, KENSINGTON PALACE, are climatological stations in association with the Meteorological Office. For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report.*

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

In the column headed "Diameter," figures in old style type indicate the length of the sides of rectangular gauges.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; W indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

(A) denotes that the amount of rainfall is taken from the chart of an autographic instrument.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge and that an autographic instrument is also in use.

Where two or more gauges are maintained at the same station the comparison of the records is seldom of general interest. The rule has now been adopted that in such cases only one record will normally be published in *British Rainfall*. The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) or (A) is therefore small.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at lighthouses) which are also over-exposed.

The column for the total rainfall in millimetres, which was a feature of the corresponding table in the volumes for the years 1914 to 1925, has been omitted since 1926, and the space thus set free is devoted to a column for average annual totals, expressed in inches, to the nearest tenth of an inch. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, in the case of shorter records, if they have been reduced by the accepted method to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with records complete from 1881 to date. If the computation has been made outside the office the average is printed in italics, since it may subsequently be revised slightly. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years 1881 to 1915, are always preferred for entry in the table. Many of the averages printed in italics have been kindly computed by Mr. H. P. Cornish of Keswick and these are weighted to the standard period 1881 to 1915.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation (?) implies doubt, not necessarily error. The absence of information is indicated by ..

ENGLAND.

Bedford	171	Hereford	191	Oxford	168
Berkshire	163	Hertford	165	Rutland	197
Buckingham	167	Huntingdon	171	Shropshire	192
Cambridge	171	Kent	153	Somerset	186
Cheshire	201	Lancashire	203	Stafford	193
Cornwall and Scilly	184	Leicester	196	Suffolk	174
Cumberland	217	Lincoln	197	Surrey	149
Derby	199	London	148	Sussex	156
Devon	180	Middlesex	164	Warwick	195
Dorset	179	Monmouth	220	Westmorland	218
Durham	215	Norfolk	176	Wiltshire	177
Essex	172	Northampton	169	Worcester	194
Gloucester	189	Northumberland	216	Yorkshire	207
Hampshire	160	Nottingham	198		

WALES.

Anglesey	229	Carnarvon	228	Merioneth	227
Brecon	223	Denbigh	226	Montgomery	225
Cardigan	223	Flint	226	Pembroke	222
Carmarthen	222	Glamorgan	220	Radnor	225

ISLANDS.

Isle of Man	230	Channel Islands	230

SCOTLAND.

Aberdeen	247	E. Lothian	234	Peebles	233
Angus	246	Fife	243	Perth	243
Argyll	241	Inverness	249	Renfrew	238
Ayr	236	Kincardine	246	Ross and Cromarty	250
Banff	248	Kinross	242	Roxburgh	232
Berwick	233	Kirkcudbright	231	Selkirk	232
Bute	241	Lanark	235	Shetland	252
Caithness	252	Midlothian	234	Stirling	240
Clackmannan	242	Moray	248	Sutherland	251
Dumbarton	239	Nairn	248	W. Lothian	235
Dumfries	231	Orkney	252	Wigtown	231

IRELAND.

Antrim	262	Kerry	253	Monaghan	261
Armagh	261	Kildare	257	Offaly	257
Carlow	256	Kilkenny	255	Roscommon	259
Cavan	260	Leitrim	260	Sligo	260
Clare	255	Leix	256	Tipperary	254
Cork	253	Limerick	254	Tyrone	263
Donegal	263	Londonderry	262	Waterford	254
Down	261	Longford	259	Westmeath	258
Dublin	257	Louth	258	Wexford	255
Fermanagh	261	Mayo	259	Wicklow	256
Galway	259	Meath	258		

ENGLAND AND WALES.

DIVISION I—LONDON. (Area, 117 sq. mi.)

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	1.—THAMES.—Right Bank Tributaries. 67 sq. mi.		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	BERMONDSEY.								
d	Southwark Park	London County Council...	5	1 0	9	24·4	27·17	..	149
	LAMBETH.								
D	Dulwich (Thurlow Pk. Rd.)	B. T. Yonge, Esq.	5	0 11	197	..	26·49	201	142
D	Brockwell Park (+A)	London County Council....	5	1 0	144	23·8	22·67	170	140
D	Brixton Hill Reservoir	Met. Water Board	5	1 0	121	23·9	24·42	174	132
	BATTERSEA.								
D	Battersea Park	London County Council...	5	1 0	13	23·2	24·40	166	130
	WANDSWORTH.								
D	Streatham (Conyers Road)	Met. Water Board	5	1 0	119	23·3	24·82	182	135
D	Streatham Hill Reservoir	Met. Water Board	5	1 0	205	23·3	24·06	174	133
D	Putney Heath Reservoir..(+A)	Met. Water Board	5	1 0	179	..	24·30	174	126
D	Balham High Road.....(+A)	E. J. Elford, Esq., C.E.	5	1 6	89	24·7	25·39	183	131
D	Southfields (Coronation Gds)(+A)	E. J. Elford, Esq., C.E.	5	1 6	37	23·6	23·83	175	129
	CAMBERWELL.								
D	Nunhead (Nunhead Reservoir)...	Met. Water Board	5	1 0	175	..	22·96	187	126
	DEPTFORD.								
D	Telegraph Hill	London County Council...	5	1 0	155	..	24·85	172	132
D	Waterworks	Met. Water Board	5	1 0	20	23·0	23·93	168	125
	GREENWICH.								
D	Deptford Pumping Station (+A)	London County Council....	8	1 0	18	22·4	22·61	164	125
D	ROYAL OBSERVATORY	The Astronomer Royal	8	0 5	149	23·5	24·60	187	130
	CATFORD								
D	Catford Hill (Exbury Rd.)	Rev. T. R. Price, M.A.	8	1 3	67	..	24·18	179	131
	LEWISHAM.								
D	Forest Hill Reservoir.....(+A)	Met. Water Board	5	1 0	339	..	25·75	187	140
	WOOLWICH.								
D	Eltham (High Street).....(+A)	Met. Water Board	5	1 0	245	23·2	26·43	165	129
	2.—THAMES.—Left Bank Tributaries. 50 sq. mi.								
	KENSINGTON.								
D	Harley Gardens	Mrs. Hamlyn Price	5	1 5	29	23·7	23·10	179	134
D	Holland House	Mr. P. B. Rintoul	5	1 0	68	23·9	24·48	170	126
D	Campden Hill Reservoir..(+A)	Met. Water Board	5	1 2	142	24·5	23·86	167	125
D	KENSINGTON PALACE ....(+A)	H.M.O.W. (M.O.)	8	1 0	80	24·2	24·69	174	133
	HAMMERSMITH.								
D	The Creek	London County Council...	5	3 0	19	23·2	22·37	167	123
	FULHAM.								
D	Hammersmith Cemetery	R. J. Brown, Esq.	5	1 0	17	23·4	24·25	182	130
D	Bishops Park (+A)	A. F. Holden, Esq., C.E....	5	0 11	15	22·6	23·95	161	131
	CHELSEA.								
D	Physic Garden	W. Hales, Esq.	5	1 0	20	23·4	23·22	164	127
D	ST. LUKE'S GARDENS	J. A. Gough, Esq.	5	1 0	25	23·3	23·42	184	132

DIVISION I—LONDON—(*con.*).

	STATIONS	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	2.—THAMES.—Left Bank Tributaries—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	WESTMINSTER.								
D	Western Pumping Station (+A)	London County Council...	8	1 0	19	..	21·92	166	124
D	King's Scholar's Pond P.S.	London County Council...	8	11 6	31	..	21·49	169	114
D	Buckingham Palace	Mr. A. J. Cole	5	8 0	35	23·5	24·48	171	135
D	ST. JAMES'S PARK (+A)	H.M.O.W. (M.O.)	8	1 0	27	23·2	24·45	171	126
	ST. MARYLEBONE.								
D	OXFORD STREET (Roof Gdns.) (+A)	Messrs. Selfridge & Co., Ltd.,	5	1 0	158	..	24·19	174	124
D	REGENT'S PARK	H.M.O.W. (M.O.)	5	1 0	129	..	25·08	173	128
	HAMPSTEAD.								
d	Barrow Hill Reservoir (+A)	Met. Water Board	5	1 0	175	..	26·48	(165)	(134)
D	Kidderpore Reservoir	Met. Water Board	5	1 0	328	..	26·53	172	136
D	OBSERVATORY (+A)	The Hampstead Scientific Soc. (E. L. Hawke, M.A.)	8	1 0	450	26·3	27·63	186	133
D	Golders Hill Park	London County Council...	5	1 0	350	26·2	27·70	172	136
	ST. PANCRAS.								
D	Camden Square (+A)	Royal Meteorological Soc...	8	1 0	110	24·5	25·72	180	127
D	CAMDEN SQUARE *Snowdon*	Royal Meteorological Soc...	5	1 0	110	24·5	25·69	180	128
	STOKE NEWINGTON.								
D	New River Filter Beds	Met. Water Board	5	1 0	101	23·1	23·56	161	128
D	New River Reservoirs (+A)	Met. Water Board	5	1 0	105	23·5	23·93	171	133
	HACKNEY.								
D	Clapton Pond (+A)	P. Holt, Esq., C.E.	5	1 0	68	22·8	24·44	186	131
	FINSBURY.								
D	New River Head (+A)	Met. Water Board	5	1 0	95	..	24·82	176	129
	BETHNAL GREEN.								
D	Victoria Park	London County Council...	5	1 0	43	23·1	24·50	170	128
	POPLAR.								
D	Isle of Dogs (Island Gardens)	London County Council.	5	1 0	18	21·9	23·13	163	128
D	Old Ford Pumping Station	Met. Water Board	8	0 9	19	22·9	22·17	172	139
D	Old Ford (Penstock House) (+A)	London County Council...	8	1 0	43	22·4	23·37	176	136
	WOOLWICH.								
D	N. Woolwich Pumping Stn. (+A)	London County Council...	8	0 9	12	21·6	20·54	150	131
D	Barking Outfall	London County Council...	8	0 9	9	20·8	21·80	157	132

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.

D	Haslemere (Clammer Hill)	Mrs. Glennie	5	1 6	400	*35·8*	39·38	178	150
D	Haslemere (Furnace Place)	F. J. Barlow, Esq.	5	1 0	300	..	37·74	173	154
D	Haslemere (Grayshurst)	C. W. Dixon, Esq.	5	1 0	621	..	35·28	175	137
D	Chiddingfold (Chiddingfold Ho.)	L. J. E. Hooper, Esq.	5	1 0	220	..	34·66	164	138
D	Hambledon (Rossall)	Mrs. M. B. Furneaux	5	1 0	250	..	34·46	173	125

2.—MEDWAY. 50 sq. mi.

D	East Grinstead (Lockeridge)	Lt.-Col. J. F. Forbes, D.S.O.	5	1 0	320	..	33·51	195	152
D	Dormans Park (Chartham Park)	I. D. Margary, Esq.	5	1 0	270	..	34·77	197	144
D	Dormans Park (Hill Crest)	Dr. H. R. Mill	5	1 0	320	..	35·80	213	158
D	Dormans Park (Yew Lodge)	Mrs. I. D. Margary	5	1 0	260	..	33·42	187	136
D	Lingfield (Felcourt)	Sir Alfred R. McAlpine, Esq.	5	1 6	225	..	32·62	185	145
D	S. Godstone (Hartsridge)	F. E. Goad, Esq.	5	0 10	450	..	30·54	188	150
D	Bletchingley (North Park Farm)	H. C. Millen, Esq.	5	1 0	300	..	31·83	192	151
	Limpsfield (Kent Hatch Res.)†	A. E. Cornewall-Walker, Esq	5	1 0	664	..	30·14	..	..

† Previously published under Surrey 3.

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	SURREY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—MEDWAY—(*con.*).								
D	Godstone	C. J. Salter, Esq.	5	1 0	400	..	33·28	208	157
D	Oxted (North End)	S. F. Lunniss, Esq.	5	1 0	350	..	32·95	193	145
	3.—THAMES—Darent. 22 sq. mi.								
D	Limpsfield (The Chart)†	E. G. Ingold, Esq.	5	1 0	570	..	30·12	189	145
D	Westwood (Pumping Station)	A. E. Cornewall-Walker, Esq.	5	1 0	418	..	31·17	157	140
	Chelsham (Ledgers)	Mrs. H. A. Daniell	5	0 8	620	..	34·59	..	..
D	Farleigh (Croydon Ment. Hosp.)	Croydon Corporation	8	1 0	100	..	34·76	166	143
	Chelsham (Fairchildes)	A. S. Daniell, Esq.	8	1 0	600	*33·7*	34·65	..	..
D	Addington (Hares Bk. Pump. Sta.)	Croydon Corporation	8	1 0	331	..	31·53	197	144
D	Addington Hills Reservoir	Croydon Corporation	8	1 0	472	*29·4*	32·86	188	141
D	Addington (Golf Club)	The Secretary	5	1 2	380	..	29·68	191	137
d	Shirley (Residential Sch.)	W. H. Westacott, Esq.	5	1 0	197	..	29·47	171	125
D	Norwood (Auckland Road)	Miss N. Cooper	5	1 5	230	..	24·16	168	127
	4.—THAMES—Wandle. 71 sq. mi.								
D	Kingswood (Margery Hall Res.)	W. Vaux Graham, Esq., C.E.	5	1 0	691	..	33·13	175	148
	Woldingham Reservoir (*New g*)	A. E. Cornewall-Walker, Esq.	5	1 0	841	..	35·14	..	..
D	Woldingham	Miss V. K. Isaac	5	1 0	797	..	36·25	195	155
D	Caterham Reservoir	A. E. Cornewall-Walker, Esq.	5	1 0	704	*34·6*	35·50	211	155
D	Chelsham & Woldingham W.W.	A. E. Cornewall-Walker, Esq.	5	1 0	479	..	35·77	187	143
D	Woldingham (Marden Park)	Sir Bernard Greenwell, Bt.	5	1 2	550	..	34·20	187	148
D	Caterham Valley Depot	A. E. Cornewall-Walker, Esq.	5	1 0	431	..	36·08	200	158
D	Chipstead (South Lodge)	G. R. Rudolf, Esq.	8	1 1	550	..	35·71	204	152
D	Coulsdon (Netherne Ment. Hosp.)	The Clerk and Steward	8	0 10	540	..	35·20	182	146
D	Banstead (Burgh Heath Res.)	W. Vaux Graham, Esq., C.E.	5	1 0	570	*32·7*	34·24	176	148
D	Chipstead (How Green Res.)	W. Vaux Graham, Esq., C.E.	5	1 0	528	..	36·77	184	158
D	Kenley Pumping Station	A. E. Cornewall-Walker, Esq.	5	1 0	275	..	30·92	177	138
	Coulsdon (Howard Road)	J. H. Lowe, Esq.	5	0 6	425	28 6	34·74	185	144
D	Coulsdon (Coulsdon Rise)‡	Charles Knight, Esq.	5	0 6	350	..	33·70	183	139
D	Banstead Mental Hospital	S. J. Wray, Esq.	5	4 8	410	..	33·75	203	146
d	Purley (Council Offices)	The Surveyor	5	1 0	225	..	32·70	(165)	(129)
D	Purley (Selcroft Road)	E. W. Finch, Esq.	5	1 0	380	..	31·92	187	135
D	Purley (Woodcote Valley Rd.)	C. Stuart Bailey, Esq.	5	1 0	310	..	33·08	192	140
D	Purley (Pumping Station)	A. E. Cornewall-Walker, Esq.	5	1 0	214	*30·1*	34·07	192	146
D	Purley (Green Lane)	E. E. Bluett, Esq.	5	1 0	341	..	33·20	182	142
	Purley (Harbledown)	E. A. W. Madge, Esq.	5	1 0	330	..	31·31	..	..
D	Purley (St. Mark's Vicarage)	Mrs. D. L. P. Shattock	5	1 0	336	..	32·49	181	139
D	Sanderstead (Beechwood Rd.)	G. M. Davies, Esq.	5	1 0	320	..	34·66	198	139
D	Sutton (The Ridgway)	W. H. Boucher-James, Esq.	5	1 0	250	..	29·60	170	133
D	Croydon (Airport) (+A)	Officer-in-Charge	8	1 0	217	26·7	30·17	188	135
D	S. Croydon (Croham Valley Rd.)	F. A. Reynolds, Esq.	5	1 0	350	..	32·24	184	135
D	Carshalton (Pumping Stn.)	Surveyor, U.D.C.	5	1 0	83	..	27·17	187	139
D	Carshalton (Park Road)	A. C. Challands, Esq.	5	1 0	200	..	29·72	182	136
d	Carshalton (The Grove)	H. J. Spicer, Esq.	5	1 0	129	..	28·47	..	133
D	Beddington (Sewage Farm)	Croydon Corporation	5	1 0	129	..	25·60	175	130
D	Croydon (Northampton Road)	Mrs. Higgins	5	1 0	210	..	30·12	174	135
d	Beddington Corner (Millgreen Rd.)	Messrs. G. Miller & Son	5	4 6	77	..	29·74	..	141
D	Upper Norwood (Beulah Hill)	Rev. A. H. Shaw.	5	1 0	400	..	29·72	187	146
D	Wimbledon (Sewage Pmp. Sta.)	T. Webster, Esq., C.E.	5	1 0	55	23·4	22·93	179	126
	5.—THAMES—Mole & c. 229 sq. mi.								
d	Beare Green (Wigmore) *new g*	Leonard Mortimer, Esq.	5	1 0	250	..	(33·13)	(188)	(144)
D	Horley (Smallfield)	W. W. Hughes-D'Aeth, Esq.	5	1 0	215	..	32·37	180	133
D	Dorking (Woodlands Pk.)	O. Langer, Esq.	5	1 0	200	..	33·52	179	145
D	Dorking (Bramerton)	Rev. Jas. F. Twist	5	1 0	300	..	34·97	186	141
D	Dorking (Denbies)	S. C. Westbrook, Esq.	5	1 0	620	32·2	38·47	188	157
D	Dorking (Pixham La Sew. Wks.) (+A)	Dorking U.D.C.	5	1 0	137	..	32·65	181	148

† Previously published under Surrey 2.

‡ Gauge formerly in Marlpit Lane.

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SURREY—(*con.*).		*in.*	*ft. in.*	*ft*	*in.*	*in.*		
5.—THAMES—Mole & c.—(*con.*).								
D Betchworth (Snower Hill)	T. DuBuisson, Esq.	8	0 11	200	..	34·69	175	148
d South Nutfield (Hale Edge)	Mrs. B. Grant	5	1 0	250	*28·7*	29·09	..	160
D Earlswood (Sewage Farm)	G. G. Sanderson, Esq., C.E.	5	1 6	196	..	30·48	178	140
D Reigate (Hillcrest Road)	H. E. Irving Taylor, Esq.	5	0 10	375	..	31·72	182	146
D Redhill (London Road)	A. E. Cornewall-Walker, Esq.	5	1 0	270	..	30·59	190	143
D Reigate (Woodcote)	Herbert Crosfield, Esq., J.P.	5	0 10	310	..	35·15	218	162
D Reigate (Wray Park Road)	W. J. MacAndrew, Esq.	5	1 0	330	28·9	33·04	183	153
D Reigate (Castle Grounds)	G. G. Sanderson, Esq., C.E.	5	1 0	350	*30·4*	32·65	193	154
D Reigate (Thurso)	F. S. Smith, Esq.	8	1 0	270	..	33·06	168	139
D Reigate (Raglan Rd.)	G. E. Collip, Esq.	5	1 1	450	..	35·11	191	155
d Bletchingley (South Park Fm)	Uvedale H. Lambert, Esq.	5	1 0	340	*31·4*	29·47	..	126
D Merstham (Gatton Point)	C. F. Bull, Esq.	5	1 0	300	..	30·77	185	143
Effingham	A. E. Cornewall-Walker, Esq.	5	1 0	363	..	33·16	..	..
D Gatton (The Cottage)	J. F. E. Goad, Esq.	5	0 11	434	..	31·62	200	147
D Headley Rectory	Rev. T. E. R. Phillips	5	1 0	570	..	38·28	209	152
d Headley (The Hurst)	Mrs. Lyall	5	1 3	420	*32·2*	34·28	(180)	(144)
D Walton-on-the-Hill	Mr. J. Millichamp	5	1 0	600	*31·7*	37·00	203	155
D Fetcham W.W.	A. E. Cornewall-Walker, Esq.	5	1 0	102	..	34·32	192	146
D Leatherhead (Dunard Lodge)(+A)	G. R. Crompton, Esq.	8	1 0	233	..	33·70	191	146
d Leatherhead (Windfield)	Mrs. Still	5	1 5	250	..	33·27	..	141
D Tadworth	C. H. L. Blaxland, Esq.	5	1 4	600	..	35·78	216	155
D Epsom College	S. A. Weare, Esq.	8	1 6	300	..	28·73	175	136
D Banstead Grange	R. L. Powell, Esq.	5	0 10	390	..	36·17	205	153
D Epsom (Sewage Farm)	The Surveyor	8	1 6	125	*25·4*	28·78	195	138
D Epsom (Water Works)	T. N. Young, Esq.	5	1 6	150	..	30·71	182	136
D Whiteley Village	The Whiteley Homes Trust...	8	3 4	195	..	25·98	182	130
D Cobham (Uplands)	R. S. Morrish, Esq.	5	0 9	220	..	30·91	175	140
Weybridge (St. George's Hill)	Mrs. Buckley	5	0 10	200	..	26·16	..	..
Claygate (Claygate House)	S. W. Parkhurst, Esq.	.	..	..	..	26·35	..	..
D Claygate (Hertslets)	N. C. Armitage, Esq.	5	1 0	106	..	25·82	197	130
D Esher (Halidon)	D. H. Baird, Esq., C.B.E...	5	1 3	114	..	26·61	179	117
D Ewell (Stoneleigh)	L. W. Carpenter, Esq.	5	1 0	150	..	26·19	174	133
D Sutton (Mulgrave Rd.)	Mrs. A. Carter	5	1 0	214	..	29·55	192	144
D Sutton (Waterworks)	W. Vaux Graham, Esq., C.E.	5	1 6	166	*26·0*	28·80	176	132
D Sutton (Sewage Works)	L. H. Michell, Esq., C.E.	5	1 6	99	*28·8*	25·11	176	127
D Worcester Park (Sewage Works)	L. H. Michell, Esq., C.E.	5	1 0	68	..	24·82	169	127
D Surbiton (Seething Wells)	Met. Water Board	5	0 10	34	24·1	25·90	168	140
D West Molesey (Walton Works)	Met. Water Board	5	1 0	35	23·5	24·08	168	128
D New Malden (Dunbar Road)	J. W. Harris, Esq.	5	1 0	50	24·8	24·54	170	134
D New Malden (Sewage Works)	A. R. Goldthorp, Esq., C.E.	5	1 0	48	..	23·48	173	133
D New Malden (High Drive)	Mrs. Ben. G. Brame	5	1 0	60	..	24·64	198	135
D Kingston (County Hall)	W. E. Robinson, Esq.	5	0 9	31	..	24·19	181	133
d Kingston (Grammar School)	The Headmaster	5	1 0	34	..	23·80	..	..
D Kingston Sewage Works (+A)	P. G. Lloyd, Esq.	5	1 0	25	..	23·11	165	131
D Merton Park (Mostyn Rd.)	A. T. Bench, Esq.	5	1 0	55	25·0	26·48	179	127
D Merton Park (Innes Hort. Inst.)	Garden Superintendent.	5	1 0	55	..	25·28	166	126
D Merton (Joseph Hood Rec. Gd.)	Merton and Mordon U.D.C.	5	1 0	48	..	24·76	170	137
D Raynes Park (Cottenham Pk P.S.)	T. Webster, Esq., C.E.	5	1 2	50	23·6	24·94	177	130
D Raynes Park (Richmond Road)	W. B. de Winton, Esq.	5	1 0	70	..	25·78	196	138
D Wimbledon (West Side)	E. K. Wilson, Esq.	5	1 0	160	..	24·73	175	129
D Richmond (Terrace Gardens)	G. Humphreys, Esq	5	1 3	25	..	24·77	176	132
D Kew Observatory (+A)	The Superintendent	8	1 0	18	23·8	23·73	173	127
D Mortlake (Hammersmith Cem.)	R. J. Brown, Esq.	5	1 0	23	..	24·48	170	129
d Kew (Royal Botanic Gardens)	The Director	8	0 9	20	23·4	22·43	..	124
D Barnes (Barn Elms)	Met. Water Board	5	1 0	16	22·9	23·42	174	125
6.—THAMES—Wey. 236 sq. mi.								
D Haslemere (U.D.C. Depot)	A. G. Whitcher, Esq.	5	1 0	475	*36·2*	41·25	188	151
D Shottermill (Sewage Works)	A. G. Whitcher, Esq.	5	1 0	414	..	38·86	180	148
D Haslemere (Frensham Hall Gdns.)	H. Windibank, Esq.	5	1 0	750	..	40·55	187	153
D Haslemere (Frensham Hall Farm)	H. Windibank, Esq.	5	1 0	600	*37·4*	38·00	184	148
d Hindhead Waterworks	Wey Valley Water Co.	5	0 9	849	..	36·98	..	136
d Hindhead (Littledale)	F. Harrison, Esq.	5	1 0	770	..	37·48	..	132
D Oakwood Hill (Honeywood Ho.)	The Lady Tredegar	5	1 0	280	..	30·28	195	144

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04in. or more.
	SURREY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—THAMES—Wey—(*con.*).								
D	**Witley (King Edward's School)**	E. Townsend, Esq.	5	1 0	300	..	33·18	167	132
D	**Witley (King George V. Sanatm.)**	Dr. J. Watt	5	1 0	305	..	34·98	193	137
D	**Churt (Furze Hills)**	Rev. C. G. O. Bond, M.A.	5	1 6	390	..	34·51	179	148
D	**Churt (Bron-y-dê)**	Rt. Hon. D. Lloyd George.	8	1 8	350	..	33·68	193	140
D	**Hascombe Place**	C. T. Musgrave, Esq.	5	1 0	361	*31·7*	35·98	179	143
D	Cranleigh (Ruffold Lodge)	Dr. C. J. Blakeman	5	1 3	180	..	29·04	188	143
D	Cranleigh (Smithwood Common)	W. C. Foote, Esq.	5	1 0	530	..	31·86	169	137
	Godalming (Hascombe Court)	Sir John Jarvis, Bt.	5	1 0	400	..	36·03	190	151
d	Godalming (Enton Green)	Gen. Sir J. du Cane	5	1 0	200	..	33·83	..	133
D	**Ewhurst (Coneyhurst)**	Col. R. J. Few, D.S.O.	8	1 0	561	*33·7*	32·12	177	155
D	**Ewhurst (The Four Winds)**	Miss E. Brooke	5	1 0	809	..	35·23	183	144
D	Ewhurst (Woolpit)	L. T. E. Hooper, Esq.	5	1 0	600	..	36·13	189	147
D	**Cranleigh (Winterfold House)**	The Head Gardener	8	1 0	550	..	36·33	173	142
D	**Frensham (Spreakley Hollow)**	A. R. Crossley, Esq.	5	1 0	200	..	32·56	165	136
	Godalming (Milford)*	G. S. Unwin, Esq.	.	..	..	..	30·94	..	..
d	**Godalming(Munstead Heath)**	A. M. P. Hodsoll, Esq.	5	1 0	450	..	33·10	..	128
D	Godalming (Ockford P.S.)	The Engineer and Manager.	8	1 0	152	..	28·08	156	122
D	Godalming (Borough Rd. P.S.)	The Engineer and Manager	8	1 0	120	..	30·72	162	126
D	Elstead (Sunny Mount)	W. Nash, Esq.	5	1 3	175	..	30·51	164	129
D	Godalming (Holloway Hill)†	Rev. W. Havard-Jones	5	0 9	200	..	31·88	177	141
D	Godalming (Filmer Grove)	Miss Sanderson	5	1 0	..	..	29·08	193	135
D	**Godalming (Charterhouse)**	O. H. Latter, Esq.	5	1 0	130	*29·2*	30·57	184	131
d	Tilford (Woodlands)	T. A. B. Pares, Esq.	8	1 0	220	..	33·11	(174)	(135)
D	Tilford (Openwood)	Capt. G. A. Moxon	5	0 8	240	..	31·51	198	136
D	Farnham (Boundstone)	A. Hampton Brown, Esq.	5	1 0	370	..	31·48	188	137
D	Tilford (Brownholm)	J. King, Esq.	5	1 3	275	..	32·29	203	139
d	Holmbury St. Mary (Feldemore)	Mr. W. E. Hobday	5	1 0	500	..	36·00	..	144
D	**Shackleford (Hall Place)**	Sir Edgar Horne, Bart.	8	1 2	200	..	32·69	201	138
d	Peaslake (Dewdney)	Norman Temple, Esq.	5	1 0	532	..	37·98	..	..
D	Peaslake (Southcots)	H. M. Gregory, Esq.	5	1 0	420	..	37·45	184	147
D	Bramley (Wood View)	Rev. C. J. Etty	5	1 0	135	..	34·87	173	143
D	**Abinger Common (Goddards)**	J. A. Gibbs, Esq.	5	1 0	586	..	35·95	187	139
D	Abinger Common (Furzen Wood)	Major E. J. Lugard	5	1 0	555	..	33·59	192	145
	Compton (Sandyknowe Gdns.) (A)	Mrs. F. Houghton	8	1 3	250	..	29·72	..	..
D	Shere (Manor House)	R. A. Bray, Esq.	5	1 0	330	..	35·66	197	135
D	Shere (The Rectory)	Rev. Sir P. M. Bowman, Bt.	5	1 3	200	..	34·52	179	145
d	Albury (Dalton Hill Gardens)	Mr. J. Tidy	5	1 0	250	..	33·26	..	131
D	Abinger Hall	Lord Farrer	8	1 0	300	*36·5*	36·72	211	154
D	**Shalford (The Hutch)**	Capt. G. C. Pentland	5	1 4	170	..	28·11	184	134
D	Farnham (Longley Rd.)	C. Edwards, Esq.	5	0 10	150	..	32·97	171	139
D	Farnham (Littleworth Rd.)	F. R. Walters, Esq., M.D.	5	1 4	440	*31·0*	34·15	215	148
D	**Farnham (Short Heath Lodge)**	Col. G. Chrystie	5	1 0	365	*29·8*	32·89	176	143
D	Chilworth (Braunston)	E. Ramsay, Esq.	5	0 11	170	..	31·52	201	128
D	**Puttenham (Berthorpe)**	Capt. E. H. Tuckwell, M.C.	5	1 0	350	..	33·65	170	139
D	**Guildford (Pilgrim Wood)**	H. A. Powell, Esq., M.D.	5	1 0	320	..	30·59	179	133
D	Guildford (Warren Road)	Colin Docwra, Esq.	8	1 0	375	..	29·96	175	136
D	Guildford (Pewley Hill Res.)	Borough Surveyor	5	1 0	365	..	30·12	175	134
D	**Guildford (Pewley Hill)**	Miss H. S. Pitman	5	1 0	365	..	33·06	215	148
D	**Guildford (West Mount)**	Miss M. E. Powell	5	1 0	220	..	32·04	192	145
d	Guildford (Epsom Road)	Frank E. Box, Esq.	8	1 0	208	..	(32·40)	(196)	(142)
D	**Guildford (Kilvington)**	Miss Meynell	5	1 0	300	..	31·99	185	146
D	Guildford (St. Joseph's Rd.)	Borough Surveyor	5	1 0	98	..	29·87	176	132
d	Guildford (Wood Street)	J. Taylor, Esq.	5	1 6	150	..	31·84	..	129
D	Normandy (The Manor House)	E. S. Hose, Esq., C.M.G.	5	1 4	149	..	30·09	184	137
d	Merrow (Stoodwell)	S. Eustace, Esq.	5	0 10	250	..	31·68	..	146
	Clandon Regis Gardens*	The Head Gardener	.	..	240	..	32·63	..	..
D	**East Clandon (Hatchlands)**	F. A. Akers, Esq.	5	1 0	340	..	33·80	188	137
D	West Clandon	J. Dalrymple, Esq., C.E.	8	1 0	319	..	31·90	181	136
D	**West Clandon (Newlands)**	R. C. Patrick, Esq.	5	1 0	200	..	32·15	197	145
D	**Worplesdon (Tangley Place)**	E. J. W. Jeudwine, Esq.	5	1 10	150	..	28·56	166	137
d	Worplesdon (Golf Club)	The Secretary	5	1 6	168	..	27·43	..	128
D	Send (Woodside)	G. M. Osborne, Esq.	8	0 10	146	..	29·31	174	138
D	**Woking (The Grange)**	Miss M. E. Wilson	5	1 0	78	*26·1*	31·50	208	152
D	**Woking (Westfield)**	Vernon B. Longhurst, Esq.	5	1 0	100	..	29·80	185	141

* *Per* Surrey Advertiser. † Gauge moved to Chalk Rd., June, 1936.

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SURREY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—THAMES—Wey—(*con.*).								
D Woking (Hook Heath)	W. S. Patterson, Esq.	5	1 3	160	..	28·47	172	127
D Woking (York Road)	L. C. Norris, Esq.	5	1 0	120	..	28·26	180	130
D Woking (The Green)	Mrs. G. E. Howlett	5	0 9	122	..	29·31	170	141
d Brookwood (Sheets Heath)	Captain H. J. Cann	5	1 0	200	..	29·12	..	131
D Old Woking (Sewage Works)	Woking U.D.C.	5	0 6	76	..	27·22	173	133
D Woking (Percy Street)	J. Dalrymple, Esq., C.E.	8	1 0	100	..	28·42	168	133
Woking (Goldsworth)	Mrs. S. Slocock	5	1 4	110	..	29·45	..	..
D Woking (Goldsworth Rd. Depot)	Woking U.D.C.	5	2 6	96	..	29·81	166	136
D Byfleet (Wisley R.H.S. Gdns.)	The Director	8	1 0	150	24·1	28·02	183	133
d Wisley (Outfall Works)	Woking U.D.C.	5	1 0	55	..	28·21	..	135
D West Byfleet (Starcross)	Walter W. Way, Esq.	5	1 0	110	..	26·94	153	124
d West Byfleet (Scotland Bridge)	Woking U.D.C.	5	1 0	66	..	27·03	..	131
D Weybridge (Harwood)	Lt.-Com. J. K. Elliott, R.N.	5	0 11	150	..	25·62	178	131
D Weybridge (St. Michael's)	H. I. Bond, Esq.	5	1 0	115	..	25·41	185	135
D Weybridge (Heath Field)	Miss A. T. Gardiner	5	1 0	100	..	27·96	165	128
D Addlestone	W. V. Davies, Esq., C.E.	8	1 0	42	..	27·22	188	138
D Weybridge (Oil Mills)	A. Whittet, Esq.	5	1 0	36	*24·1*	25·80	186	125
7.—THAMES—Bourne. 55 sq. mi.								
D Knap Hill (Ulundi)	G. C. H. Simmonds, Esq.	5	1 0	180	..	31·21	165	147
D Knap Hill Nurseries	Donald Waterer, Esq.	5	1 0	105	..	29·06	180	141
D Chobham (Sandpit Hall)	K. H. Power, Esq.	5	1 0	100	*26·7*	27·50	181	129
D Chobham (West End)	F. A. Walter, Esq.	5	1 0	150	..	28·93	199	155
D Bagshot (Charlton)	W. Perry, Esq.	5	0 10	215	..	30·72	169	150
d Bagshot	J. Waterer Sons & Crisp, Ltd.	5	1 0	265	..	29·83	..	..
D Chertsey (Ottershaw)	L. H. Seccombe, Esq.	5	1 0	200	..	25·87	165	128
D Windlesham (Windlesham Ho.)	R.Adml.A.Cochrane, C.M.G.	5	1 0	200	..	31·58	195	152
D Upper Childown (Long Cross H.)	Miss C.M.Leycester-Penrhyn	5	1 0	220	..	29·10	207	141
D Sunningdale (Hilltop)	E. F. Cecil, Esq.	5	1 0	280	..	28·21	167	137
d Chertsey	W. V. Davies, Esq., C.E.	8	1 0	39	..	25·25	177	131
D Chertsey (Abbey Meads)	J. Dalrymple, Esq., C.E.	8	1 0	53	..	25·01	183	125
D Virginia Water (S. Ann's Heath)	H. Y. Summons, Esq.	8	1 1	80	*25·4*	29·48	178	141
D Englefield Green (Harvest Rd.)	H. Fermor, Esq.	5	1 3	205	..	27·31	182	135
d Egham (Water Works)	S. W. Suburban Water Co.	8	0 4	55	..	25·01	(175)	(123)
8.—THAMES—Lodden. 17 sq. mi.								
d Frimley Green Waterworks	Mid Wessex Water Co.	5	1 0	213	*24·6*	28·80	..	..
D Frimley Green (Ridgemount)	C. C. Haviland, Esq.	5	0 9	350	*29·1*	33·16	203	150
D Camberley (Way's End)	E. Ernest Green, Esq.	5	0 11	295	..	31·10	175	142
D Camberley (Cordwalles)	C. H. Ledward, Esq.	5	1 0	400	..	28·33	185	140
KENT. (Area, 1,532 sq. mi.)								
1.—ROTHER & C. 217 sq. mi.								
D Dungeness (Lighthouse)	Chief Officer R.N. Sig. Stn. (M.O.)	8	0 11	20	24·4	28·09	176	134
D Lydd (Westbroke House)	A. G. Finn, Esq., J.P.	5	1 0	10	..	27·09	167	123
d Dymchurch (Hoornes)	Mrs. Paddock	5	1 0	9	..	26·12	..	..
D Appledore (The Well House)	Dr. F. W. Cock	5	1 5	23	..	31·47	172	131
d Hawkhurst (Moor House)	F. S. Springett, Esq.	5	1 0	208	..	31·40	..	..
D Hawkhurst (Hensill)	Mrs. F. Ross Thomson	5	1 0	175	*30·5*	31·84	181	135
D Kenardington (The Firs)	Cmdr. F. H. Lyon, D.S.O.	5	1 2	65	..	29·82	171	139
D Tenterden (Ashenden)	T. C. Norris, Esq.	5	1 0	190	27·5	30·26	177	144
D Hythe	M. J. Harvey, Esq., C.E.	5	0 9	12	*28·0*	31·02	173	136
D Hythe (Douglas Avenue)	W. H. Elder, Esq.	5	1 9	33	..	29·52	174	137
D Hythe (Sandling Park)	Capt. A. E. Hardy	8	1 0	260	*30·4*	35·01	168	149
D Saltwood (Cylinder)	Miss M. Lethbridge	5	1 0	230	..	31·70	181	142
D Tenterden (St. Michael's)	E. F. Amos, Esq.	5	1 0	192	..	33·59	224	140
D Folkestone (Borough Sanat'm)	Borough Engineer	5	1 0	101	*28·6*	32·55	178	132
D Folkestone (Cherry Gardens)	Folkestone W. W. Co.	5	1 6	230	29·1	34·70	172	149
D Alkham (Lower Standen)†	Folkestone W. W. Co.	5	2 11	250	..	31·28	180	139
D Dover (Waterloo Crescent) (+A)	W. B. Smith, Esq., C.E.	8	1 0	22	..	32·73	180	136
D Dover (Waterworks)	W. B. Smith, Esq., C.E.	5	1 6	200	*30·0*	32·38	165	137
d Dover (Buckland)	Guy Mannering, Esq.	8	1 6	50	..	36·13	..	142

† Station formerly called Folkestone (Lower Standen).

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in or more
KENT—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ROTHER & C.—(*con.*)								
D Dover (River, Gwydr)....(+A)	Cyril G. W. Lewis, Esq....	5	1 0	150	..	36·16	174	139
D Kearsney (Chilton Farm).....	W. B. Smith, Esq.,C.E.	5	1 6	127	*33·5*	39·46	185	148
2.—STOUR & C. 386 sq. mi.								
D LYMPNE (Airport).....(+A)	Meteorologist-in-Charge ...	8	1 0	346	28·5	29·96	182	140
D Sellindge (Council School).....	S. H. Serpell, Esq.....	5	1 0	200	..	33·45	181	144
D Smeeth School.....	W. H. Wetherell, Esq.....	5	1 0	300	..	36·42	219	162
D Lyminge (Elham Valley W.W.)....	Phillip Harris, Esq	5	1 6	445	..	36·99	194	154
D Ashford (Gas Works)	L. G. Kimmins, Esq.	5	0 11	125	..	31·23	191	139
D Ashford.....	B. H. Headley, Esq.....	5	1 0	190	..	32·29	203	142
D Ashford (Albert Road).....	A. E. Brounger, Esq.....	5	1 0	185	..	31·84	195	142
d Elham (Bladbean Farm).....	Capt. T. L. Wall	5	0 9	459	..	40·09	..	139
d Dover (Martin Mill Pump. Stat.)...	F. L. Ball, Esq.....	5	1 0	287	..	35·18	..	129
D WYE (Agricultural College)	S.E. Agric. College	5	1 0	164	..	31·75	189	139
D Waldershare Rectory.....	Rev. H. Saumarez Smith...	5	1 0	275	..	38·25	175	143
D Waldershare Park Gardens.....	J. Haggett, Esq.....	8	1 0	250	*33·2*	37·03	176	145
D Shepherdswell (Upton Lodge).....	Rutley Mowll, Esq.....	5	1 0	300	..	37·75	207	143
D Boughton Aluph (Fairlawn).....	E. Simmons, Esq.....	5	1 3	220	..	29·89	191	135
D Charing Pumping Station.....	F. L. Ball, Esq.....	5	1 0	295	..	29·05	179	132
D Charing (Pett Place) *new g*.....	Brig.-Gen. T. M. S. Pitt....	5	1 0	300	..	32·68	184	143
D Deal and Walmer W.W.....	W. Mantle, Esq.	5	1 0	110	*28·0*	31·55	166	128
D Barham (Old House)	L. S. Osmaston, Esq.	5	0 9	175	..	33·73	183	142
D Barham House.....	Col. R. G. Clarke	5	0 9	194	..	34·49	180	136
D Barham Pumping Station.....	F. L. Ball, Esq.....	5	..	173	..	35·39	183	130
D DEAL (Wellington Road)	The Town Clerk	5	1 0	25	..	26.22	160	120
d Worth (Upton House).....	Capt. W. Elwin Napier	5	1 0	32	*27·7*	33·12	..	130
D Worth (Felder Lodge).....	J. S. Campbell, Esq.....	5	0 10	26	..	31.13	188	139
D Wingham (Margate W.W.).....	Mr. J. H. Parker.....	5	1 0	138	*28·7*	31.58	186	129
D Chilham (Lower Ensden).....	F. Ivo Neame, Esq.....	5	5 0	305	..	33·11	185	146
D Wingham Boys' School.....	The Headmaster.....	5	1 0	55	..	31·92	184	139
D Canterbury (Old Dover Ho.).....	Legh S. Powell, Esq.....	5	1 1	70	..	28·57	179	130
D CANTERBURY (St. Keyne).....	A. Lander, Esq.....	5	1 0	135	..	(26·15)	(168)	(123)
D Canterbury (London Road).....	Miss B. Spillett.....	5	1 0	66	*28·7*	28·13	179	135
D Canterbury (Irrigation Works)....	The Manager	5	2 6	15	*27·5*	29·58	179	131
d Canterbury (Rough Common)....	R. W. Wood, Esq.....	5	1 0	285	..	29·58	..	135
D RAMSGATE (East Cliff).....(+A)	Borough Engineer	8	1 0	80	*24·0*	26·30	184	130
D Ramsgate (Archer House).....	Miss M. A. G. Saunders ...	5	1 0	75	..	27·08	171	134
D MANSTON (Aerodrome) .....(+A)	Meteorological Officer.....	8	1 0	142	..	25·97	169	123
D Birchington (Acol Farm).....	C. S. Willett, Esq.....	5	2 0	30	..	25·19	174	129
D Reculver.....	Allington Collard, Esq.,....	5	5 2	27	*21·8*	24·89	156	123
D Broadstairs (Domus).....	Capt. W. B. Marling.....	8	1 0	60	..	27·57	148	128
D Broadstairs (Collis Court Road)...	A. Watkins, Esq.....	5	1 0	120	..	29·48	191	131
D St. Peter's (Hildersham House) ..	The Surveyor	5	0 9	145	23·7	27·35	162	124
D Birchington (Hollydene).....	W. Tomlin, Esq., Junr....	5	6 0	75	..	25.45	146	121
D MARGATE (Cliftonville).....	The Town Clerk	5	1 0	51	22·8	24·12	167	124
3.—SWALE & C. 167 sq. mi.								
D Selling (Grove House).....	F. Ivo Neame, Esq.....	5	1 5	330	..	30·97	171	130
D Selling (Luton).....	F. Ivo Neame, Esq.....	5	4 9	300	*30·4*	33·67	180	129
D Sittingbourne (Torry Hill).....	D. Leigh Pemberton, Esq...	5	1 0	497	..	31·70	188	143
D Faversham (Water Wks.)	The Engineer & Manager...	8	1 6	130	..	29·85	183	134
D Ospringe (Queen Court).....	L. H. Finn, Esq.....	8	1 3	50	..	30·16	160	117
D Ospringe (Lorenden)	L. H. Finn, Esq.	5	1 6	175	..	28·87	174	135
D Faversham (Portway).....	C. Gordon Neame, Esq.....	5	3 6	180	..	29·63	177	134
Teynham (Norton Court).....	A. L. Mercer, Esq.....	5	1 6	90	..	29·65	174	127
D Teynham (New Gardens).....	Mrs. Honeyball.....	5	1 5	30	*24·5*	25·20	178	132
d Graveney Marshes.....	L. H. Finn, Esq.....	8	2 3	6	..	25·59	..	108
D Milton Regis (Sewage Works).....	Sittingbourne U.D.C.....	5	1 1	19	..	22·54	165	116
Herne Bay (Waterworks).....	J. Roberts, Esq.....	5	1 0	130	*22·8*	26·32	..	..
D HERNE BAY (St. Anne's Home)†..	The Surveyor	5	1 0	21	..	24·73	168	109
d Sheerness.....	Dr. W. C. D. Hills.....	5	1 0	9	..	24·34	..	127
4.—MEDWAY. 506 sq. mi.								
D GOUDHURST (Bedgebury Forest)...	Forestry Commission.....	5	1 0	290	..	34·29	198	144
D Goudhurst (Bedgebury Pk. Gdns.).	Mr. H. Arnold.....	5	1 0	280	..	34·91	162	139

† Station formerly called Memorial Park.

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	KENT—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—MEDWAY—(*con.*).								
D	Kilndown School	The late J. A. Ager, Esq.	5	1 6	365	..	31·00	189	141
D	**Scotney Castle**	**E. W. Hussey, Esq.**	**5**	**3 9**	**203**	***26·8***	29·20	182	138
D	**Cranbrook (Little Glassenbury)**	**J. I. Stirling, Esq.**	5	0 10	360	..	32·80	186	141
D	Lamberhurst (Bayham Abbey)	Mr. G. J. Miller	5	1 0	250	..	38·51	219	167
d	**High Halden (Middle Quarter)**	**Mrs. J. E. Budding**	**5**	**1 0**	**114**	..	(29·44)	..	..
D	**Goudhurst (Gore Court)**	**J. A. Druce, Esq.**	**5**	**1 0**	**197**	***30·3***	30·03	179	140
D	**Tunbridge Wells (Hawkenbury)**	**D. W. Horner, Esq.**	**5**	**1 6**	**435**	..	36·94	189	150
D	Tunbridge Wells (Rustall Grange)	Mrs. Robins	5	1 0	440	..	34·88	178	144
D	**Tunbridge Wells (Langton Green)**	**Miss E. M. Pott**	**5**	**1 0**	**420**	..	36·92	207	157
D	TUNBRIDGE WELLS (Calverley Pk.)	Medical Officer of Health	5	1 0	355	..	32·77	178	136
D	**Tun. Wells (The White House)**	**Miss Monica G. Robins**	**5**	**1 6**	**300**	..	37·68	177	161
D	**Matfield (Kings Mead)**	**Henry Hills, Esq.**	**5**	**1 4**	**390**	..	34·63	165	138
D	Brenchley (The Warren)	Capt. Carl Langer	5	0 6	275	..	34·52	188	149
D	**Speldhurst Rectory**	**Rev. Canon H. Masters**	**5**	**0 10**	**334**	..	36·26	171	149
D	**Pembury (The Spring)**	**Miss A. P. Fowler**	**5**	**1 0**	**416**	..	36·42	178	158
D	Pembury Waterworks	H. P. Bishop, Esq., C.E.	8	1 8	197	..	32·46	170	135
D	**Markbeech (Edells)**	**Miss M. F. Pearse**	**5**	**1 0**	**320**	..	32·20	192	149
D	**Edenbridge (Falconhurst)**	**Hon. Mr. Justice Talbot**	**5**	**1 6**	**375**	**30·7**	34·31	182	148
D	Edenbridge (Stonewall Pk.)	Lt.-Col. E. R. Meade-Waldo, D.S.O.	5	1 1	344	..	32·83	173	137
D	**Edenbridge (Gilridge)**	**J. Mavrogordato, Esq.**	**5**	**1 0**	**400**	..	33·69	188	145
D	**Edenbridge (Hever Castle)**	**Mr. A. McCutcheon**	**5**	**1 0**	**200**	..	31·23	176	138
D	**Headcorn (Upalong)**	**R. S. Hartree, Esq.**	**5**	**1 6**	**100**	..	28·60	173	131
d	**Pluckley (Brick Works)**	**Guy G. Davies, Esq.**	**5**	**1 6**	**112**	..	27·68	(216)	(131)
D	Penshurst Place‡	Lord De Lisle & Dudley	5	1 6	120	..	34·25	197	143
d	Edenbridge (Skeynes)	B. Walmsley, Esq.	5	1 0	200	..	32·30	..	..
D	**Tonbridge (Mabledon Park)**	**J. F. W. Deacon, Esq.**	**5**	**1 0**	**190**	..	34·66	198	148
D	Tonbridge (Ingleside)	The late A. H. Neve, Esq.	5	1 1	160	..	32·15	185	146
D	**Tonbridge (Thorpe Avenue)**	**F. J. Reed, Esq.**	**5**	**1 5**	**150**	..	31·55	178	128
D	**Hildenborough (Gailes)**	**E. E. Roper, Esq.**	**5**	**1 0**	**159**	..	31·09	170	136
D	**Hildenborough (Hollanden Ho.)**	**C. H. Scott, Esq.**	**8**	**1 0**	**99**	..	30·24	198	151
D	Hildenborough (Old School Cot.)	J. S. Roper, Esq.	5	1 0	275	..	28·70	183	137
D	East Peckham (Woodbine)	W. H. Pearson, Esq.	8	1 0	48	..	30·24	178	138
D	**Langley (Rumwood Court)**	**Mr. W. J. Gould**	**5**	**1 9**	**354**	..	29.46	196	151
d	Lenham	D. F. Tysoe, Esq.	5	1 6	400	..	31·68	(168)	(149)
D	**Nettlestead (Old Quarry)**	**W. Pye-English, Esq.**	**5**	**1 0**	**286**	..	32·79	242	162
D	**Otham (Synyards)**	**Ambrose Boyson, Esq.**	**5**	**1 0**	**315**	..	30·87	227	155
d	**Sevenoaks (River Hill) *new g***	**Lt.-Col. J. M. Rogers, D.S.O.**	**5**	**1 6**	**500**	**30·0**	29·83	..	140
D	**Hollingbourne (Penn Court)**	**S. Lucy, Esq.**	**5**	**1 1**	**261**	..	31·30	185	152
D	**Maidstone W. W. (Barming)**	**C. H. Harden, Esq.. C.E.**	**5**	**1 4**	**245**	..	28·90	182	147
D	**Maidstone (Mill Street)**	**T. F. Bunting, Esq.**	**8**	**6 0**	**37**	..	28·74	197	149
D	**Maidstone (Brenchley Gardens)**	**T. F. Bunting, Esq.**	**5**	**0 9**	**49**	..	29·02	175	146
D	East Malling (Belvidere)	O.I.L. Bird, Esq.	5	1 9	250	..	30·59	170	140
D	EAST MALLING (Research Station)	The Principal	8	1 0	132	..	28·57	175	137
D	Maidstone (Allington Lock)	Mr. A. H. Reed	5	1 0	20	..	28·55	169	147
D	**Aylesford (Forstal P. Stn.)**	**C. H. Harden, Esq., C.E.**	**5**	**1 4**	**20**	..	28·16	181	139
D	Detling (The Croft) *new g*	R. Cooke, Esq.	5	1 0	330	***27·8***	33·33	222	151
D	**Trosley Pumping Station**	**F. L. Ball, Esq.**	**5**	**1 8**	**250**	..	29·79	172	145
D	**Maidstone W.W. (Boxley)**	**C. H. Harden, Esq., C.E.**	**5**	**1 0**	**286**	..	31·46	173	144
D	**Chatham (Woolmans Wood)**	**W. Coles Finch, Esq., C.E.**	**5**	**3 0**	**470**	..	29·38	168	136
d	Halling Pumping Station	F. L. Ball, Esq.	5	1 0	75	..	28·00	..	137
D	**Chatham (Nashenden P.S.)**	**W. Coles Finch, Esq., C.E.**	**5**	**0 9**	**125**	..	29·44	178	135
D	**Chatham (Luton W.W.)**	**W. Coles Finch, Esq., C.E.**	**5**	**3 0**	**88**	..	27·98	188	135
D	**Rainham (Motney Hill)**	**J. B. Harvey, Esq.**	**5**	**1 0**	**28**	..	23·67	168	125
D	**Rochester (Deanery Gate)**	**Warwick Stunt, Esq.**	**5**	**1 6**	**50**	..	25·94	171	123
D	**Strood Waterworks**	**(+A) W. Law, Esq., C.E.**	**5**	**1 0**	**112**	..	26·40	177	138
D	Stoke Vicarage	Rev. A. E. Ottaway	5	0 10	80	..	22·18	176	123
	5.—THAMES—Darent & c. 256 sq. mi.								
d	**Westerham Town**	**Met. Water Board**	**5**	**1 0**	**380**	..	31·94	..	.
D	**Westerham Hill Pumping Stat.**	**Met. Water Board**	**5**	**1 0**	**539**	..	35·44	196	150
D	**Sundridge Rectory**	**Rev. Canon C. C. Gosselin**	**5**	**1 0**	**280**	..	31·46	179	140

‡ New gauge May 1936.

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
KENT—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—THAMES—Darent & c.—(*con.*).								
D Sundridge Pumping Stn.	Met. Water Board	5	1 0	270	..	30·74	178	136
D Sevenoaks (Knole Park)	The Head Gardener	5	1 0	500	..	32·07	185	156
d Tatsfield (Betsoms Hill)	Met. Water Board	5	1 0	820	..	36·52	..	..
w Seal (Oak Bank Reservoir)	E. H. Evans, Esq.	5	1 6	548	..	30·99	..	..
w Seal (St. Lawrence Reservoir)	E. H. Evans, Esq.	5	1 6	665	..	30·86	..	..
w Seal (Kemsing Pumping Stn.)	E. H. Evans, Esq.	5	1 6	292	..	29·05	..	..
D Sevenoaks (Chevening Gardens).	Mr. J. C. Sutton	5	1 0	360	..	34·24	188	151
d Knockholt (Kent Waterworks)	Met. Water Board	5	1 0	785	*29·9*	37·15	..	..
D Biggin Hill (Aerodrome)	Assistant-in-Charge	8	1 0	567	31·4	32·61	193	145
D Chelsfield (Hewitts)	W. A. Waring, Esq.	5	4 0	476	..	31·20	188	138
d West Wickham (Pumping Stn.)	Met. Water Board	5	1 0	240	..	(27·56)	(171)	(131)
D Eynsford Pumping Station	Met. Water Board	5	1 0	100	..	27·81	179	128
D Eynsford Hill	Arthur Mee, Esq.	5	1 0	358	..	27·65	209	141
D Orpington (Kent Waterworks)	Met. Water Board	5	1 0	220	..	29·33	184	136
d W. Wickham (Woodland Way)	D. A. Worthington, Esq.	5	0 9	325	..	30·76	(201)	(145)
Crockenhill (Wested Farm)	A. T. Miller, Esq.	5	1 6	331	..	27·70	..	..
D Cobham (Crossways)	Miss F. H. Pye	5	3 0	320	..	29·60	181	139
d Horton Kirby (Court Lodge)	W. Rogers, Esq.	5	1 0	30	..	25·04	..	121
D Nurstead (Downs Road W.W.)	Gravesend & Milton W.W. Co.	8	1 0	164	..	27·10	188	135
D Bickley (Farrants)	Miss Chalmers	5	1 0	250	25·9	26·86	170	125
D Beckenham (Park Langley)	G. H. Preston, Esq.	5	1 0	210	..	26·68	170	131
Bromley (Sundridge Avenue)	Dr. H. Wynne Thomas	5	1 0	270	24·7	25·92	..	..
D Bromley (+A)	Borough Engineer	5	1 0	213	24·2	25·39	171	128
D Beckenham (Croydon Rd.)	The Surveyor	8	1 0	110	..	27·09	191	136
d Penge (Recreation Ground)	H. W. Longdin, Esq., C.E.	5	1 1	122	24·6	25·26	..	135
D Anerley (Oakfield Road)	Miss S. Stannard	5	1 5	180	..	27·17	177	146
d Chislehurst (Hawkwood)	Miss M. C. Edlmann	5	1 0	300	..	28·13	..	143
Chislehurst (Holbrook Lane)	W. P. Jones, Esq.	5	1 0	325	25·1	27·79	..	..
Chislehurst (St. Peter's Lodge)	Miss S. L. Tiarks	5	0 10	330	..	28·23	..	..
D Chislehurst (Scadbury Park)	Mr. B. Orchard	5	1 0	250	24·6	26·01	186	133
D Swanley (Horticultural College)	The Principal	5	1 0	155	..	24·06	166	126
d Southfleet (Hook Place Farm)	J. Barker, Esq.	5	1 0	100	..	23·29	..	123
D Southfleet (Kent Waterworks)	Met. Water Board	5	1 0	82	..	23·72	173	123
D Wilmington (Kent Waterworks)	Met. Water Board	5	1 0	25	..	22·85	176	127
D New Eltham	G. E. Dacey, Esq.	5	1 0	157	..	26·21	193	139
D Dartford (Tower Road)	C. O. Hunt, Esq.	5	0 6	125	..	21·81	182	126
D Stone (City of Lond. Ment. Hosp.)	A. W. Fletcher, Esq.	5	1 0	115	..	22·04	166	116
D Bexley Heath (Danson Park)	(+A) The Surveyor	5	1 6	161	..	22·10	171	120
D Dartford (Sewage Works)	The Resident Engineer	5	1 0	14	..	22·04	172	121
D Erith Sanatorium	Erith U.D.C.	5	1 0	182	..	23·37	180	133
D Erith (Sewage Works)	Erith U.D.C.	5	1 0	13	..	21·96	159	117
D Erith (St. Joseph's Convent)	Erith U.D.C.	5	1 0	213	..	23·88	176	129
D Higham Waterworks	C. H. Clark, Esq.	8	1 0	141	..	27·88	189	137
D Erith (Crossness)	London County Council	14	0 6	16	20·8	20·74	165	127
SUSSEX. (Area, 1,458 sq. mi.)								
1.—LAVANT & C. 175 sq. mi.								
D Bognor Regis (Greenways Sch.)	D. S. Hancock, Esq., F.R.Met.S.	5	1 0	25	..	28·40	163	121
D Bognor Regis (Waterloo Square)	The Town Clerk	8	1 0	24	25·9	29·29	176	135
D Bognor Regis (Albert Road)	W. L. Guermonprez, Esq.	8	1 0	17	..	27·93	180	138
D North Mundham Vicarage	Rev. A. F. H. Outram	5	0 9	0	..	32·87	182	145
D Merston (Abelands)	Miss V. Kennard	5	1 0	24	..	32·02	169	135
D Bosham (Cobnor)	Major S. W. P. Beale	5	1 0	12	..	28·01	162	126
D Chidham (Chidmere)	H. Ll. Baxendale, Esq.	5	1 0	14	..	28·57	162	135
D Chidham P. School	The Headmaster	5	1 0	10	..	29·48	177	133
D Bosham (Council School)	The Headmaster	5	1 2	20	..	29·34	171	134
D Chichester (Kingsham Farm) (R)	W. Lawson, Esq.	8	0 10	35	..	29·98	193	141
D Chichester (West Street)	Dr. W. Dick	5	1 0	40	..	30·48	154	126
d Chichester (County Hall)	D. Farr, Esq.	5	1 0	45	..	31·05	..	..
d Chichester (Oakwood House)	Mrs. Baring Du Pre	5	1 0	101	..	32·07	..	128
D Emsworth (Woodmancote)‡	W. M. Christy, Esq.	5	1 0	65	..	29·18	163	126
D Boxgrove (Strettington Ho.)	Mrs. W. J. R. Wingfield	5	1 0	95	..	31·98	204	134
D Funtington House	J. A. Greenwood, Esq.	5	1 0	95	..	32·15	179	138

‡ Gauge moved 1 mile E. from Westbourne in January 1936.

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Aver-age Rain-fall.	1936: Rain-fall.	1936: Days with ·01 in. or more.	1936: Days with ·04 in. or more.
SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—LAVANT & C.—(*con.*).								
D Chichester (Goodwood Gardens)	Duke of Richmond&Gordon	5	1 1	133	..	35·10	179	154
D Emsworth (Stansted Park)	Earl of Bessborough	5	2 6	140	..	34·65	216	148
D Emsworth (Watergate House)	W. M. Christy, Esq.	5	1 0	222	..	38·03	180	147
d West Dean Park	W. A. Mackenzie, Esq.	5	1 0	190	..	38·49	..	148
D Chilgrove House	E. L. Woods, Esq.	5	1 0	266	35·0	36·71	164	133
D Compton (Compton House)	Miss K. B. Langdale	5	1 0	263	36·6	38·66	198	148
2.—ARUN. 285 sq. mi.								
D LITTLEHAMPTON (Met. Station)	Clerk to the U.D.C.	5	1 0	15	..	28·63	172	133
d Rustington (Bracondale Nurs.)	J. Muir, Esq.	5	0 10	30	..	31·89	..	139
D Lyminster Vicarage	Rev. Dr. S. P. Duval	5	1 6	20	..	28·12	182	141
D Arundel (Cross Bush)	Miss M. Orme	5	1 3	125	..	29·42	184	138
D Patching Farm	Michael Drewitt, Esq.	5	1 0	180	30·8	30·76	172	137
D Arundel Castle	The Duke of Norfolk	5	1 0	106	..	32·44	178	141
D Bury (Rover's Cottages)	C. P. Gates, Esq.	5	1 0	70	..	38·63	214	143
Harting (Down Place)	R. G. Blackwell, Esq.	5	1 2	401	..	36·56	..	136
D Storrington (Greyfriars)	Capt. J. R. Abbey	5	1 0	250	..	37·63	171	144
D Storrington (Badgercroft)	P. Herington, Esq.	5	0 6	250	..	39·66	189	152
D Storrington Rectory	Mrs. Faithfull	5	1 1	150	..	36·35	172	147
Bignor	Major G. B. Hill	5	1 0	175	..	38·26	..	..
D Pulborough (Parham)	Hon. Clive Pearson	5	1 6	98	..	36·43	169	141
d Pulborough (Nutbourne)	Mrs. Burney Young	5	1 3	100	..	32·45	(186)	(143)
D Pulborough (Codmore Hill)	Rev. C. Ash	5	2 0	165	..	31·08	201	149
D Midhurst (Peachey House)	H. R. Amoore, Esq.	5	1 7	97	..	35·15	173	133
d Petworth Park Gardens	Lord Leconfield	5	1 0	182	..	37·31	..	129
D Tillington (Westmoor)	Mrs. Randall	5	1 0	200	..	34·71	198	150
D Midhurst (Fairview)	Miss P. Eames	5	1 0	200	..	35·52	182	142
d Tillington (River House)	Hon. Lady Cunliffe, C.B.E.	5	1 0	230	..	34·03	..	..
w Rogate (Durford Wood)	Mrs. A. M. Kennion	5	0 9	400	..	39·27	..	..
D Rogate (Old Copse)	Miss E. Barton	5	1 0	500	..	34·17	175	143
D Kirdford (Brownings)	B. de. F. Osmaston, Esq.	5	2 0	100	..	31·89	163	135
D Kirdford (Hills Green)	L. Baker, Esq.	5	1 0	130	..	28·77	165	125
D Liss (Hill Brow)	F. W. Beckford, Esq.	5	1 0	488	..	38·68	194	145
D Horsham (Whites Bridge)	C. G. Atkinson, Esq.	5	1 0	139	..	33·73	181	133
D Lower Beeding (The Warren)	Leicester M. Reed, Esq.	5	0 10	430	..	34·22	176	144
D Horsham (Christ's Hospital)	Major Gabriel Green, M.C.	5	1 0	160	..	30·01	157	125
D Horsham (Tower Hill)	Mrs. C. Marsh	5	1 0	220	..	31·48	186	137
D Horsham (Sewage P.S.)	C. G. Atkinson, Esq.	5	1 0	118	..	32·23	183	133
D Horsham (Wimblehurst)	Miss E. M. Allcard	5	1 0	195	30·0	32·87	178	137
D Rusper (The Nunnery)	Sir Cecil J.B. Hurst, G.C.M.G.	5	1 6	260	..	33·88	182	146
3.—ADUR & C. 237 sq. mi.								
D Peacehaven	Commander W. S. Davenport	5	1 0	119	..	24·84	161	119
D Rottingdean School	Mr. T. A. Sandalls	8	1 0	120	..	27·09	190	135
D Rottingdean (Hillside)	Admiral H. J. L. Clarke, C.B.E.	5	1 0	60	..	26·52	163	127
D WORTHING (Beach House Pk.) (+A)	Medical Officer of Health	8	1 0	25	27·5	27·42	169	134
D Shoreham (Parkside)	E. C. Smith, Esq.	5	1 0	80	..	31·02	172	129
D BRIGHTON (Old Steyne)	Medical Officer of Health	5	1 0	32	28·1	26·27	166	134
D High Salvington (Hayling Rise)	H. R. McCarthy, Esq.	5	1 0	250	..	31·31	177	141
D Hove	Medical Officer of Health	5	1 6	27	..	27·04	175	141
D Hove (Park House)	Guy Michell, Esq.	5	1 0	120	..	31·34	182	151
D Hove (Old Shoreham Rd.)	Chas. Modlen, Esq.	5	0 11	145	..	30·87	183	147
D Brighton (172, Dyke Road)	S. R. Allen, Esq.	.	1 0	261	..	31·41	180	144
D Lancing College	The Headmaster	5	1 0	120	..	30·29	185	144
D Brighton W. W. (Goldstone Bot.)	A. B. Cathcart, Esq., C.E.	8	1 0	142	..	28·84	178	138
D Brighton W.W. (Lewes Road)	A. B. Cathcart, Esq., C.E.	8	1 0	135	29·9	31·42	185	147
D Brighton W.W. (Shoreham)	A. B. Cathcart, Esq., C.E.	8	1 8	12	..	31·84	185	143
D Brighton W.W. (Mile Oak)	A. B. Cathcart, Esq., C.E.	8	1 3	166	..	30·31	175	139
D Brighton W.W. (Race Hill Res.)	A. B. Cathcart, Esq., C.E.	8	1 3	469	..	32·47	185	146
D Falmer (Brighton W.W.)	A. B. Cathcart, Esq., C.E.	8	1 4	202	..	33·25	185	151

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

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SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—ADUR & C.—(*con.*).								
D Patcham (Vale Avenue)	G. Berry Hamlin, Esq.	5	1 0	205	..	34·49	187	150
D Patcham (30, Vale Avenue)	F. R. Hickley, Esq.	5	1 0	201	..	36·17	184	152
D **Patcham (Brighton W.W.)**	**A. B. Cathcart, Esq., C.E.**	5	0 11	206	..	30·98	176	143
D **Hassocks (Wilmington Lodge)**	**C. T. Agar, Esq.**	5	1 0	200	..	36·95	170	143
D **Hassocks (The Croft)**	**Harold Taylor, Esq., M.A.**	5	1 0	200	..	38·64	163	142
d **Keymer**	**J. Francis Jupp, Esq., C.E.**	5	1 0	150	..	37·13	..	..
D Henfield (Townmead)†	Miss H. Dixon Brown	5	1 0	100	..	32·41	196	146
D **West Grinstead (Danefold)**	**Miss T. Gaisford**	5	1 0	130	..	31·19	170	134
D Coolham	C. E. Cleeves, Esq.	5	1 0	80	..	31·54	173	137
D Haywards Heath (Lewes Road)	Courtney Page, Esq.	.	2 0	235	..	32·05	174	153
D **Billingshurst (Duncan's Farm)**	**Miss Edith Beck**	5	1 0	130	..	32·34	188	145
D Slinfold (Elmhurst Farm)	Elmhurst Fmg. & Trdg. Co.	5	0 10	200	..	32·55	166	143
4.—OUSE.—224 sq. mi.								
D **Seaford (Bowden Ho. School)**	**J. F. Thomas, Esq**	5	1 0	190	..	24·20	178	130
D **Seaford (Newlands)**	**T. D. Manning, Esq., F.R.Met S.**	5	1 0	100	..	27·55	173	131
D **Seaford (Southdown School)**	**C. W. Perfect, Esq.**	5	1 6	120	..	25·64	166	139
D SEAFORD	The Surveyor	5	1 0	140	..	24·90	165	122
D **Newhaven (Poverty Bottom W.W.)**	**F. B. Lumsden, Esq.**	8	1 0	51	..	26·15	180	130
d Lewes (Littledene)	Mr. C. E. Gravett	8	1 6	58	..	31·83	..	..
D **Lewes W. W. (Kingston)**	**J. T. P. Johnston, Esq.**	8	1 3	13	..	34·31	200	143
d **East Hoathly (Halland Park)**	**R. Shanks, Esq.**	5	2 0	300	29·9	28·89	..	..
Framfield (High Cross)	**Maj. R. L. Thornton, C.B.E.**	5	1 0	195	30·5	29·68	..	..
Newick (Piltdown)	A. C. Jeffery, Esq.	5	2 4	150	..	30·54	..	..
d Newick (Holly Grove)	Mrs. A. K. Slessor	5	1 0	150	..	(34·47)	(158)	(142)
D Uckfield (Lawrence Ho.)	C. G. D. Hoare, Esq., M.A.	5	1 6	125	..	31·53	182	159
d Uckfield House	Major G. Larnach-Nevill	5	1 0	150	..	29·12	..	125
D **Haywards H. (Abbots Leigh)**	**C. Hales, Esq., J.P.**	5	1 0	250	..	32·31	167	141
D **Haywards H. (Paddockhall Rd.)**	**L. E. Hervey, Esq.**	5	1 0	260	..	34·71	177	142
D Maresfield (Budletts)	T. Hobden, Esq.	5	1 0	150	..	31·94	175	147
Buxted (Strawberry Hall)	**C. Rintoul, Esq.**	5	1 0	180	30·5	30·34	170	..
d Lindfield (Sunte Avenue)	E. A. W. Madge, Esq.	5	1 0	153	..	34·57	..	..
D **Mayfield (Five Ashes)**	**Miss Emily Aston**	5	1 0	300	..	29·05	185	135
D **Lindfield (The Common)**	**R. H. Robertson, Esq.**	5	1 6	180	..	35·60	176	143
D **Uckfield (Fairwarp)**	**Col. A. E. Barchard**	5	0 10	475	33·0	37·16	170	153
D **Oldlands Hall** (R)	**Sir B. Eckstein, Bart.**	8	3 0	400	35·7	35·57	175	150
D **Horsted Keynes (Holy Well P.S.)**	**F. Martin, Esq.**	8	1 9	124	..	34·52	175	148
D **Ardingly (Lywood House)**	**G. Forrester Scott, Esq.**	5	0 9	240	..	33·68	193	142
D ARDINGLY (Wakehurst Place)	Lady Wakehurst	8	1 9	437	..	37·76	193	144
D **Horsted Keynes (Birchgrove)**	**Miss G. C. Price-Davies**	5	1 0	400	..	36·67	214	147
D **Balcombe (Lullings)**	**Mrs. M. Holland**	5	1 0	348	..	35·92	185	140
D **Balcombe (The Gables)**	**Mr. G. J. Warren**	8	1 3	358	..	37·75	190	157
D **Balcombe (Stockcroft)**	**Dr. R. Newton**	5	1 1	341	..	36·69	190	149
D **Balcombe (Waterworks)**	**F. Martin, Esq.**	8	1 0	467	..	35·88	179	150
D **Balcombe (Highley Manor)**	**Mr. B. T. Brooks**	8	1 6	420	..	35·24	197	154
D **West Hoathly (Stonelands)**	**J. Godwin King, Esq.**	5	1 0	450	..	39·34	163	141
5.—CUCKMERE & C. 189 sq. mi.								
D BEACHY HEAD (C. Guard Stn.)	The Chief Officer (M.O.)	8	1 0	502	..	29·60	189	144
D EASTBOURNE (Wilmington Sq.) (+A)	Medical Officer of Health	5	1 0	35	30·7	29·60	176	132
D **Eastbourne (Arundel Road)**	**Miss G. J Woodd**	8	1 6	86	..	32·96	182	143
D Eastbourne (King's Avenue)	Rev. G. G. Wilkinson	5	1 0	120	..	32·35	189	139
D Friston (Water Tower)	Eastbourne W.W.	5	1 0	389	..	31·35	179	145
D **Friston**	**Eastbourne W.W.**	8	1 0	104	..	29·51	172	142
d Jevington	Eastbourne W.W.	8	1 0	274	..	30·32	..	149
D Litlington	Eastbourne W.W.	8	1 0	19	..	29·87	169	144
D Willingdon Sewage Farm	Hailsham R.D.C.	5	1 0	24	..	31·84	181	147
D Alfriston (White Lodge)	D. Morphew, Esq.	5	1 0	70	..	28·42	183	148
D **Pevensey Pumping Station**	**Hailsham R.D.C.**	5	1 0	12	..	27·12	173	132
D Pevensey Bay Pumping Station	Hailsham R.D.C.	5	1 0	7	..	29·37	175	143
D BEXHILL (EGERTON PARK)	The Boro' Council (H. J. Sargent)	8	1 0	12	26·3	27·92	163	138
D HASTINGS (White Rock)	The Town Clerk	5	1 0	149	..	29·31	179	141

† Station formerly called Henfield (Park House).

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—CUCKMERE & C.—(*con.*).								
D St. Leonards (Filsham W.W.)	S. Little, Esq., C.E.	5	1 0	37	27·3	28·15	187	135
D Hailsham (North Street)	R. Matthews, Esq.	5	1 3	105	30·0	29·63	213	146
D Hailsham (Magham Down)	E. M. Bear, Esq.	5	1 0	90	28·4	30·01	181	148
D Hazards Green (Pumping Station)	Bexhill W.W.	5	1 7	74	26·0	25·91	172	133
D Hastings (Beechwood)	N. Lang Smith, Esq.	8	1 0	128	..	30·75	188	148
D Hastings (Newgate)	S. Little, Esq., C.E.	8	1 0	243	27·5	29·92	187	145
D Hastings (Clive Vale)	A. E. Moon, Esq. F.R.Met.S.	5	1 0	328	28·4	30·49	209	153
D Hastings (Halton Reservoir)	S. Little, Esq., C.E.	5	1 0	294	28·6	30·77	186	151
D Hastings (Fairlight Reservoir)	S. Little, Esq., C.E.	5	1 0	515	28·2	30·85	189	155
D Hollington (High Beech Gdns.)	R. H. Crockford, Esq.	5	1 0	400	..	33·84	217	153
D Battle (Forewood W.W.)	S. Little, Esq., C.E.	5	1 0	50	28·0	29·63	174	139
D§Cowbeech (Pumping Station)	Bexhill W.W.	5	1 7	100	..	29·15	170	139
D Bodle Street (Bucksteep Manor)	Major G. P. Richardson	5	1 0	235	..	29.39	186	151
D Horam (Coxlow)	Miss P. C. Harrison	5	1 0	260	29·7	31·03	186	143
D Heathfield (Hailsham Road)	Heathfield Growers	5	1 0	350	..	34·11	165	142
D Heathfield (The White Cottage)	J. F. Leigh Clare, Esq.	5	1 0	500	..	29·74	187	142
6.—ROTHER. 194 sq. mi.								
D Hastings (Fairlight, Machico)	P. G. Lock, Esq. M.A., M.R.C.S.	5	1 0	100	..	30·85	180	142
d Battle (Caldbec)	The late A. H. Neve, Esq.	5	0 11	350	..	33·88	177	149
D Battle (The White Cottage)	Rev. E. J. Morgan	5	1 0	320	32·3	33·38	199	149
D Brede Pumping Station	S. Little, Esq., C.E.	8	1 0	26	28·3	31·64	157	137
D Battle (Netherfield)	Thos. W. C. Terry, Esq.	5	1 0	420	32·2	35·24	193	155
d Udimore (The Wick)	Major R. P Mair	8	1 0	92	27·1	31·77	...	132
D Camber (Home Farm)	J. N. Baker, Esq.	5	0 8	15	..	28·32	170	135
D Rye (The Point)	W. Gay, Esq.	5	1 0	120	..	31·33	188	138
D Brightling Park	T. P. Tew, Esq.	5	1 0	545	34·1	36·41	194	153
d Robertsbridge (Darvell Hall San.)	Medical Superintendent.	5	3 0	100	29·1	30·16	..	127
D Peasmarsh (Woodside)	A. W. Rickards, Esq.	5	0 8	100	30·1	34·33	169	143
d Rye (Iden)	Admiral Sir Aubrey Smith	5	1 0	150	..	27·80	..	..
D Northiam (Great Dixter)	Mrs. Lloyd	8	1 0	209	29·5	32·21	172	143
D Burwash (Crowhurst Bridge)	Heathfield Dist. Water Co.	5	0 11	97	..	31·48	168	139
D Mayfield (Berkeley Cottage)	Lt.-Col. A. H. Wolley-Dodd.	5	1 0	450	..	34·19	163	143
D Ticehurst (Stonegate)	W. J. Wheeler, Esq.	5	1 0	230	32·6	36·46	218	153
D Tidebrook (Downgate)	Rev. E. P. Gatty	5	1 6	300	31·9	35·54	180	150
7.—MEDWAY. 117 sq. mi.								
D Rotherfield (Horsegrove Fm.)	F. W. Shaw, Esq.	5	1 0	528	..	39·61	188	150
D Crowborough (Harecombe)	W. Morrison, Esq.	5	1 0	680	..	39·29	186	161
D Crowborough (Beacon School)	R. W. Hunt, Esq.	5	1 3	750	..	42·44	199	150
D Crowborough (Beaconstone)	A. K. Gordon, Esq.	5	1 0	794	..	41·28	188	148
d Crowborough (The Beacon)	A. R. Allcroft, Esq.	5	1 0	796	..	40·79	..	161
D Tunbridge Wells (Cousley Wd.)	A. Wilkin, Esq.	5	1 0	416	..	32·55	193	149
D Hartfield (Beechcroft)	Miss E. A. Foyster	5	1 0	370	..	39·20	206	150
D Forest Row (Wirksworth)	L. Gibbs, Esq.	5	1 0	217	..	38·35	193	138
D Turners Hill (The Old Manse)	Miss R. M. Ravenshaw	8	1 6	500	..	39·55	186	148
D Frant (Hazelhurst)	I. W. Bennett, Esq.	5	1 0	450	..	36·48	187	149
D Frant (Henley Lodge)	Rev. E. Malden	5	1 6	440	*32·3*	36·92	196	150
D Frant (Eridge Castle)	Mr. A. Wilson	5	1 0	400	..	38·86	180	168
d Frant (Highfield)	H. S. Eeles, Esq.	5	1 0	413	..	34·23	..	..
D Groombridge (Crossways)	Capt. D. P. A. Gray	5	1 0	260	..	37·12	185	146
D Hartfield (Bolebroke)	P. R. Mann, Esq.	5	1 0	175	..	38·98	173	146
D Crawley Down (Grange Hill)	Miss L. T. A. Buckley	5	0 10	450	..	40·28	194	153
D E. Grinstead (Brockhurst Obsy.)	F. J. Hanbury, Esq.	8	1 0	435	*32·9*	38·16	231	143
8.—THAMES—Mole. 27 sq. mi.								
D Worth Priory	Rev. R. J. Stonor	5	1 0	500	..	35·87	183	133
D Worth (Worth Lodge)	Miss M. C. Nix	5	1 0	340	*31·9*	36·13	196	151
d Crawley (Orleton Lodge)	B. Longley, Esq.	8	1 0	260	..	32·22	..	138

§ Gauge possibly over exposed.

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	SUSSEX—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	9.—THAMES—Wey. 10 sq. mi.								
D	Milland House	S. Thompson, Esq.	5	1 0	425	..	35·29	175	141
D	Liphook (Ripsley)	W. D. Bosanquet, Esq.	5	1 0	400	..	37·17	188	147
D	Haslemere (Bell Vale)	Rev. A. C. Lucey	5	0 10	300	..	38·84	183	144
	HAMPSHIRE. (Area 1,627 sq. mi.)								
	1.—ISLE OF WIGHT. 150 sq. mi.								
D	St. Catherine's Point (C. G. Stn.)	Station Officer (M.O.)	8	1 8	150	*27·8*	30·72	161	132
D	Blackgang (H.M. Coastguard)	Mr. H. W. Hawkes	5	1 0	420	*27·9*	32·06	168	121
D	Ventnor (Royal National Hos.)	The Matron	5	1 0	59	28·9	32·87	181	136
D	Ventnor (Cemetery)	The Surveyor	5	1 0	445	*29·5*	35·07	172	139
D	Shanklin (Pomona Road)	The Town Surveyor	5	1 0	199	*32·7*	37·08	168	131
d	Brighstone (The Bungalow)	J. V. Keen, Esq.	5	1 0	140	*30·8*	33·54	..	135
D	Brighstone (Pitt Place)	A. A. H. Wykeham, Esq.	5	1 7	200	..	29·83	167	128
D	Sandown (Sandham Gds.)	The Town Clerk	8	1 0	13	*30·9*	32·76	182	134
D	The Needles (Golf Club)	Mrs. Newnham	5	1 0	350	*27·5*	28·59	187	141
D	Totland Bay (Aston House)	Hotel & Pier Co. (J. Dover)	8	1 0	140	28·5	29·34	183	129
D	Freshwater (Pumping Station)	J. Dover, Esq.	8	1 0	10	*28·8*	30·45	183	137
D	Newport (The Mall)	Miss Morey	5	1 0	48	*32·9*	37·00	177	140
D	Ryde (West Street)	W. H. Salter, Esq.	5	1 0	170	*30·7*	36·21	190	129
D	Ryde (Buckland Grange)	Lt.-Col. Sir Hugh Daly	5	1 0	90	*30·5*	34·51	213	134
D	Ryde (Esplanade Gardens)	Borough Engineer	5	1 0	13	*29·0*	31·27	166	122
D	Wootton (Bridge House)	Miss A. Brodie	8	0 10	12	..	34·84	181	134
D	Wootton (Oak Lawn)	R. W. Hutton, Esq.	5	0 9	80	*31·8*	34·98	179	140
D	Osborne	The House Governor	5	1 0	177	..	35·36	189	139
D	East Cowes (Spring Hill)	The late Sir George Shedden	5	1 0	123	*28·8*	30·65	167	127
	2.—STOUR. 37 sq. mi.								
D	Bournemouth (East Cliff)	Miss M. Penrose, B.Sc.	8	1 0	120	..	29·37	191	138
D	Bournemouth (Vale View)	The Corpn.(C.Dales, F. R. Met. Soc.)	5	1 0	139	31·5	31·58	194	150
D	Bournemouth (East Avenue)	J. E. Hewitt, Esq.	5	1 0	142	*28·6*	31·75	184	145
D	Bournemouth (Talbot Woods)	H. Constantine, Esq.	5	1 0	110	*29·1*	32·24	180	143
D	Christchurch (Air Compressing Stn.)	Borough Surveyor	5	1 6	4	..	30·60	168	141
D	Christchurch (Hurn Court)	The Earl of Malmesbury	8	1 3	19	*32·2*	33·50	192	150
D	Kinson (Eglinton)†	W. C. Keevil, Esq.	5	1 6	45	33·2	33·77	170	147
D	Kinson (Elmbrook)	C. E. M. Pinney, Esq.	5	1 0	40	..	30·76	173	138
	3.—EAST AVON & C. 114 sq. mi.								
D	Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	1 0	135	*31·3*	33·15	186	144
D	Ringwood (Bisterne)	Major J. D. Mills	8	1 2	45	*30·9*	33·61	190	139
D	Ringwood (Crow Hill)	Mrs. H. F. Rawstorne	5	1 0	250	*30·2*	33·23	183	141
D	Ringwood (Hangersley)	Col. E. G. St. Aubyn, D.S.O.	5	0 9	200	..	33·64	192	144
d	Ringwood (Grey Friars)	R .W. Christy, Esq.	5	1 0	50	*28·4*	33·26	..	130
d	Ringwood (Linwood)	Dr. F. H. Haines	5	0 9	138	*32·0*	36·95	..	..
D	Fordingbridge (Cuckoo Hill)	Heywood Sumner, Esq.	5	1 0	150	*32·5*	36·64	193	146
D	Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1 0	140	*31·1*	36·57	177	136
D	Fordingbridge (Furze Hill)	G. G. Smith, Esq.	5	0 5	150	..	37·58	181	152
D	Fordingbridge (Oaklands)	S. B. Rake, Esq.	8	1 0	135	31·7	37·54	184	140
	4.—TEST & SOLENT. 551 sq. mi.								
D	Milford-on-Sea (Salt Grass)	Mr. F. Hand	5	1 0	6	*28·8*	30·32	167	131
D	Milford-on-Sea (Farlights)	Mrs. F. W. Brown	5	1 0	50	..	30·91	181	136
D	Lymington (The Salterns)	P. A. Ouvry, Esq.	5	1 0	4	*28·9*	28·27	177	128
D	Lymington (Wistaria)	Major G. M. Harding	5	1 0	70	*29·4*	33·48	186	138
D	New Milton (Manor Rd.)	A. J. Sturmey, Esq.	5	0 9	140	*30·7*	31·73	182	140
D	Sway (Gordleton)	W. F. Wright, Esq.	5	1 6	102	*29·7*	32·84	178	138
D	Sway (Sway Wood)	J. Dixon, Esq.	5	1 0	140	*31·7*	34·94	177	142
D	Boldre (Battramsley Close)	Dr. H. A. Des Voeux	5	1 1	119	*31·8*	34·64	168	146
d	Exbury	L. N. de Rothschild, Esq.	5	1 0	85	*29·2*	30·13	..	137
D	Brockenhurst (Weirs End)	Col. C. Mansel-Jones, V.C.	5	1 0	45	*32·0*	35·64	178	145

†Station previously in Dorsetshire — 4.

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HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TEST & SOLENT—(*con.*).								
D CALSHOT (Aerodrome)	(+A) Officer-in-Charge	8	1 0	8	25·5	27·82	171	127
D Burley (Sandys)	G. Mason, Esq.	5	1 0	150	*31·8*	36·57	181	142
D Hythe (Buttsash Lane)	G. H. Baker, Esq.	5	1 0	130	*30·6*	34·10	181	138
D Minstead (Furzey)	B. H. Dalrymple, Esq.	5	1 0	280	..	40·18	180	152
D Cadnam (Canterton Manor)	Miss Jeffreys	5	1 0	125	*31·8*	37·46	176	149
Bartley (The Nurseries)	G. H. Dalrymple, Esq.	5	1 0	100	*32·0*	37·47	178	140
D SOUTHAMPTON (East Park)	Director Ordnance Survey	8	1 0	64	30·9	33·92	173	146
M Southampton Common Res.	J. Hawksley, Esq.	5	1 0	193	..	31·57	..	..
D Romsey (Embley Gardens)	J. J. Crosfield, Esq.	5	1 0	180	*30·3*	34·11	172	138
D Romsey (Harefield)	Lt.-Col. W. J. Langford	5	1 0	120	*30·1*	33·25	178	145
d Romsey (Timsbury Manor)	M. Maitland Heriot, Esq.	5	1 0	75	*28·5*	33·66	..	136
D Romsey (Timsbury P.S.)	J. Hawksley, Esq.	5	1 0	92	*29·6*	32·54	176	147
D Sparsholt (Garstons)	R. Simpson, Esq.	5	1 3	350	..	34·70	170	150
D Upper Somborne	Charles Alleway, Esq.	8	1 0	250	*30·7*	32·14	183	140
D Stockbridge (Houghton Lodge)	Mr. G. Morris	5	1 0	112	*30·5*	31·78	176	136
D Crawley (Chilbolton Down)	G. W. S. Beale, Esq.	8	1 2	350	*31·0*	32·13	178	139
D Stockbridge (LECKFORD Estate)	The Managing Director	5	1 0	385	..	31·70	187	138
D Wonston (Upton House)	H. J. Gardiner, Esq.	5	1 0	229	*30·0*	32·63	187	146
D Abbots Ann (The Old Manor)	Miss E. E. de Paravicini	5	0 9	225	..	31·24	187	145
D Andover (Sewage Works)	W. C. Jerome, Esq.	8	1 0	182	*28·9*	30·20	173	141
D Whitchurch (Laverstoke Mills)	Dr. J. Knaggs, A.R.C.S., F.I.C.	8	1 6	250	..	31·41	164	122
D Overton (Berrydown Court)	T. C. Mann, Esq.	5	0 11	300	..	33·75	188	145
D St. Mary Bourne (Bournside)	Sir Charles V. Boys, F.R.S.	5	1 0	300	*29·4*	33·05	172	138
D St. Mary Bourne (Spring Hill)	Mrs. H. A. Boys	5	1 4	300	*28·7*	33·09	168	136
D Worting (Manydown Park)	(R) Col. A. S. Bates, D.S.O.	5	1 0	415	..	33·02	169	136
Hurstbourne Tarrant (Rookery)	R. E. C. Burder, Esq.	5	1 0	331	*31·8*	35·28	..	..
D Whitchurch (Dunley Manor)	Sir Alfred Herbert	5	1 0	500	*30·8*	33·34	179	145
D Linkenholt Manor	R. Dudley, Esq.	5	5 0	750	..	32·13	186	157
5.—ITCHEN & SPITHEAD. 422 sq. mi.								
D Alverstoke (Monckton House)	Major J. Blake	5	1 3	15	*28·6*	30·53	169	128
D Alverstoke (Glencoe)	J. G. Thomas, Esq.	5	1 8	20	*28·0*	29·61	167	129
d Southsea (St. Edward's Road)	Mrs. B. H. Key	5	1 0	10	..	27·49	(151)	(124)
d Gosport	Borough Surveyor	8	0 9	30	*28·8*	29·90	..	119
D PORTSMOUTH (VICTORIA PARK)	Medical Officer of Health	5	1 0	15	27·7	28·81	165	123
D Portsmouth (Eastney)	(+A) The City Engineer	8	1 0	12	..	26·80	157	119
D South Hayling (C. of E. School)	H. J. Earney, Esq.	5	1 6	10	*26·1*	27·15	173	119
D Lee-on-Solent (Edinburgh Ho. Sch.)	Trevor J. Tatham, Esq.	5	1 0	15	*27·5*	28·85	156	121
d Hook-cum-Warsash	E. M. Biggs, Esq.	5	1 0	50	*28·6*	31·06	..	128
D Farlington (Pump. Stn.) *new g.*	D. Halton Thomson, Esq., C.E.	5	1 0	78	*28·5*	31·27	178	135
D Farlington (Filter Works) *new g.*	D. Halton Thomson, Esq., C.E.	5	1 0	157	*27·9*	30·82	171	135
D Havant (Portsmouth W.W.)	D. Halton Thomson, Esq., C.E.	5	1 0	25	*27·1*	29·65	162	135
d Havant (Wade Court)	W. E. Sotheby, Esq.	8	1 0	17	*27·9*	30·25	..	124
d Fareham (Fareham House)	W. S. Stevenson, Esq., M.D.	5	1 6	30	*29·2*	28·93	..	116
D Fareham (West Street)	N. E. Neville, Esq.	5	1 0	41	..	31·12	184	135
D Southwick (Pinsley Lodge)	D. Halton Thomson, Esq., C.E.	5	1 0	150	*29·6*	34·62	177	137
D Fareham (Roche Court)	Admiral Sir W. De Salis	5	1 0	103	*31·3*	33·78	185	134
D Itchen Sewage Works	S. G. Stanton, Esq., C.E.	5	5 8	13	..	31·90	164	139
Idsworth (Water Tower)	D. Halton Thomson, Esq., C.E.	5	1 0	202	*31·0*	35·19	..	..
Southwick (Upper Beckford Fm.)	D. Halton Thomson, Esq., C.E.	5	1 0	112	*30·8*	32·80	..	..
D Wickham (The Croft)	Miss Joy Stansfeld	5	0 8	85	..	31·40	164	141
D Southampton (Portswood)	S. G. Stanton, Esq., C.E.	5	1 9	10	*29·7*	33·29	164	143
D Botley (Botley Hill)	H. H. Jenkyns, Esq.	5	1 6	36	*31·1*	34·10	163	130
Botley (Uplands Farm)	Wilmot H. Yates, Esq.	5	1 0	60	*31·5*	28·02	167	134
D Curdridge (Kitnocks House)	Major C. F. Randolph	5	1 0	185	*30·7*	33·28	180	138
Catherington Reservoir	D. Halton Thomson, Esq., C.E.	5	1 0	428	*34·2*	37·03	..	..
D Swanmore (Holywell House)	Mrs. M. Portal	5	1 0	175	*32·2*	33·32	184	149
D Hambledon (Whitedale)	D. Halton Thomson, Esq., C.E.	5	1 0	223	*34·0*	36·86	190	152
D Soberton (Mislingford)	E. T. Hildred, Esq., C.E.	5	1 0	136	*31·7*	33·15	160	134

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HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—ITCHEN & SPITHEAD—(*con.*).								
D West End (Oaklands)	Mrs. Pearson	5	1 0	45	*30·9*	35·29	171	138
D Bishops Waltham (Park Ho.)	A. F. Hardy, Esq.	5	1 3	170	*30·2*	32·63	196	136
D Droxford (Uplands)	Miss C. E. King	5	1 0	279	*34·2*	37·40	183	148
d Otterbourne (Kingfisher Lo.)	Major T. T. Phelps	5	0 10	80	..	35·22	..	149
D Otterbourne W.W.	J. Hawksley, Esq.	5	1 0	113	*30·5*	34·94	183	150
D Twyford (Pumping Station)	J. Hawksley, Esq.	5	1 0	139	*31·3*	34·30	174	138
East Meon (Burnside)	H. A. Gilmour, Esq.	5	1 5	350	*34·5*	38·15	..	..
D Winchester (Shawford)	J. A. Rooke, Esq.	5	1 0	250	*31·3*	34·29	174	141
D Hursley (Merdon Manor)	Capt. G. J. R. Cooper	5	1 0	360	..	33·36	176	151
D Hursley Park	Sir G. A. Cooper, Bart.	8	1 0	210	..	35·38	185	149
d Compton (Cross Ash)‡	J. Durst, Esq.	5	1 1	150	*30·4*	(34·08)	(177)	(146)
D Privett (The Vicarage)	Rev. F. P. Synge	5	2 8	650	*36·0*	43·21	208	157
D Winchester (St. Cross)	G. M. Mathews, Esq.	5	1 0	135	*30·7*	32·92	169	143
D Winchester (High Street)	Kenneth E. N. Williams, Esq.	5	1 0	200	*31·6*	35·50	184	147
D Winchester (East Hill)	Mrs. E. Wilde	5	1 0	256	*28·3*	31·27	213	149
D Winchester (Northgate Place)	Miss A. M. Johnson	8	1 3	170	..	35·32	189	147
D Ovington Rectory	Rev. H. L. Atkins	5	1 0	221	33·2	40·04	181	150
D Bishop's Sutton	H. C. Mills, Esq.	5	1 0	260	..	33·62	182	150
D Winchester (Kings Worthy)	Miss R. P. Woodard	5	1 0	304	..	35·27	176	145
D Itchen Abbas (Chilland)	W. J. Arnold, Esq.	5	1 3	200	*30·5*	33·29	191	156
D Itchen Abbas (Itchen Lodge)	Lt.-Col. R. V. Savile	8	1 0	200	..	33·03	193	153
D Alresford Place	Percy Laming, Esq.*	5	1 0	300	*30·8*	34·00	173	155
6.—ARUN. 32 sq. mi.								
D Petersfield (Weston)	Capt. P. W. Seward	5	1 0	330	*37·5*	42·24	172	157
Petersfield (Monks Barn)	F. G. Padwick, Esq.	5	1 0	300	*35·8*	39·86	168	136
D Petersfield (Tilmore)	E. J. Tatham, Esq., M.D.	5	1 0	250	*32·9*	39·30	194	148
D Petersfield (Collyers)	Fraser Parkes, Esq.	5	0 9	350	..	39·01	185	149
D Liss (Heathmount)	The late R. A. Bosanquet, Esq.	5	1 3	490	*33·1*	37·22	174	140
D Liss (Kippences)	Rev. W. L. de B. Thorold	5	0 9	250	*33·3*	37·48	184	142
D Liss (Hawkley Hurst)	T. Clive Davies, Esq.	5	0 11	422	*37·7*	39·80	198	159
D Greatham (Manor House)	Miss I. L. Coryton	5	1 0	260	*32·4*	35·96	180	147
D Greatham (Le Court)	Lady Mary A. Harrison	5	0 9	350	*34·5*	38·25	197	150
7.—THAMES—Wey. 92 sq. mi.								
D Petersfield (Stoner Hill) (+A)	C. J. P. Cave, Esq., J.P.	5	0 9	748	38·1	41·31	189	156
D East Tisted (Rotherfield Park)	Capt. J. B. Scott	5	1 3	590	*37·1*	38·26	183	156
D Newton Valence Vicarage	Rev. A. C. Maclachlan	5	1 0	586	*33·1*	36·74	186	157
D Newton Valence (Shotters)	Major W. H. Chawner	5	1 2	600	*33·2*	35·11	185	151
D Newton Valence Place (R)	Rear-Adm. E. Jervoise, C.B.E.	8	1 3	615	*33·3*	41·29	188	157
D Selborne (The Wakes)	Mrs. Bibby	5	1 0	400	*35·3*	38·66	205	152
D Alton (Treloar Cripples' Hosp.)	The Secretary	5	1 0	300	..	37·28	188	147
D Alton (Shalden Cottage)	Miss G. M. Wood	5	1 0	630	..	36·57	199	154
d Alice Holt Forest	Forestry Commission	8	1 0	264	*30·0*	33·96	..	133
8.—THAMES—Loddon. 164 sq. mi.								
D Long Sutton (Agric. Coll.)	The Lord Wandsworth Ag. Coll.	5	1 0	479	*28·2*	33·80	175	131
d South Warnborough (Vine Cot.)	Mrs. Gawne	5	1 0	416	*27·8*	32·44	..	..
D Upton Grey (Hoddington Ho.)	Col. The Lord Basing	5	1 0	378	*27·7*	32·84	166	139
D Basingstoke (Upton Grey Ho.)	G. W. Hayes, Esq.	5	1 0	400	*27·7*	33·19	172	139
D Aldershot Waterworks	Mid-S. Dist. Utility Co.	5	1 0	251	*27·0*	31·52	173	132
D Aldershot Reservoirs	Mid.S. Dist. Utility Co.	5	0 7	393	*27·2*	31·00	185	136
D Odiham (Mill House)	W. M. Dean, Esq.	5	1 0	241	*26·0*	31·48	160	140

* *Per* A. E. Broad, Esq. ‡ Moved from Kennington in September 1936.

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Aver-age Rain-fall.	1936: Rain-fall.	1936: Days with ·01 in. or more.	1936: Days with ·04 in. or more.
HAMPSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—THAMES—Loddon—(*con.*).								
D Odiham (Sewage Works)	Hartley Wintney R.D.C. ..	5	1 0	245	*26·5*	31·17	160	136
D Greywell (Pumping Station)	Mid Wessex Water Co.	5	1 0	258	*26·3*	29·88	191	145
D **Hook (Nately Hatch)**	R. C. Mallock, Esq.	5	1 0	328	*26·7*	32·67	189	142
D Fleet (Home Wood)	Mrs. L. M. Kent	5	1 0	300	*25·4*	29·12	163	129
D **Sherborne St. John**	Col. G. W. Haslehurst	5	2 2	260	29·0	31·90	173	135
D **Rotherwick (Tylney Hall)**	Major Sir H. R. Cayzer, Bt.	5	1 0	250	*25·8*	29·75	172	133
d Hartley Wintney (Warren Heath)	Sanitary Inspector, R.D.C..	5	1 0	257	*25·8*	30·15	..	142
D South Farnborough (R.A.E.)(+A)	Meteorological Officer.	8	1 0	237	26·1	31·93	174	136
D Winchfield (Elvetham Park)	Mr. T. J. Brownjohn	8	1 4	217	*26·5*	31·02	200	145
D **Stratfield Turgis (Byland's Cottage)**	Miss D. Page-Roberts	5	1 0	218	*25·8*	27·20	187	137
D **Heckfield (Park Corner)**	Miss V. Martineau	5	1 2	257	24·6	29·22	188	110
9.—THAMES—Kennet. 65 sq. mi.								
D **Highclere (Castle Gardens)**	Mr. A. W. Blake	5	1 6	500	*32·5*	34·72	183	146
D **Highclere (Black Ford)**	W. A. Turner, Esq.	5	1 0	439	*31·9*	33·99	177	137
D **Highclere (Adbury Pk. Gdns.)**	The Head Gardener	5	1 0	350	*30·0*	32·75	182	148
D Silchester House	T. M. Hartley, Esq.	5	1 0	325	*25·0*	30·04	178	135
BERKSHIRE. (Area, 722 sq. mi.)								
1.—TEST. 2 sq. mi.								
2.—THAMES—Bourne. 15 sq. mi.								
D Sunninghill (Frognal)	Mr. D. Chaplin	5	1 0	200	..	28·08	177	140
D Ascot (Heatherwood Hospital).	The Medical Superintendent	5	1 0	300	..	27·06	181	144
D **Sunninghill (Blacknest P.S.)**	E. J. Toy, Esq.	8	1 0	130	26·0	28·13	186	143
D **Sunninghill (Little Paddocks)**	Col. J. N. Horlick, M.C.	5	1 0	200	27·0	27·39	179	138
3.—THAMES—Loddon & c. 162 sq. mi.								
D Sandhurst (Eagle House)	G. E. Straker, Esq.	5	1 0	280	..	29·73	175	140
D Wellington College	D. B. Briggs, Esq.	5	1 0	290	26·4	30·60	174	148
D **Broadmoor Asylum**	The Medical Superintendent	5	1 0	300	27·6	30·79	161	145
D **Wokingham (Bucks Copse)**	C. W. Marks, Esq.	5	1 0	174	24·7	28·58	171	144
D Wokingham (Frog Hall)	J. Rolt, Esq., K.C.	5	1 0	200	..	31·66	175	143
D **Wokingham (Bear Wood Gdns.)**	M. Goddard, Esq.	8	1 0	200	..	30·16	167	143
D **Wokingham (Sindlesham Ho.)**	Mr. W. Balcombe	5	4 6	200	25·4	29·88	170	139
D Wokingham (Winnersh Nursery)	W. Bates, Esq.	5	1 0	180	..	30·11	192	141
D **Winkfield (Ryemead)**	Mrs. Aubrey Elliott	5	0 10	220	25·8	26·99	178	142
D **Winkfield (Maidens Green)**	R. Crosbie-Hill, Esq.	5	1 0	210	26·0	27·91	180	144
D Warfield (Jealott's Hill Farm)	Imp. Chemical Ind., Ltd.	5	1 0	220	25·8	26·59	157	128
D Windsor (Forest Park Gdns.)	G. W. Briars, Esq.	5	0 10	150	..	28·08	172	142
D Shurlock Row (Crossways)	John P. Lee, Esq.	5	0 9	149	..	29·61	175	134
D **Sonning on Thames (The Deanery)**	Capt. N. J. Bengough	5	0 9	120	24·6	27·49	187	136
D Windsor (Royal Gardens)	Mr. G. Simpson	5	1 0	88	24·9	26·24	201	137
D **Twyford (Hare Hatch)**	Messrs. J. Waterer, Sons & Crisp, Ltd.	5	1 0	180	..	28·88	164	143
D Wargrave (Wargrave Court)	Henry Bond, Esq.	5	1 2	115	..	27·51	173	141
d Bray (Braimel)	N. Vaslet, Esq.	5	1 0	75	..	(24·56)	(171)	(140)
d Maidenhead (The New Hall)	Mrs. Torkington	5	1 0	130	27·2	28·89	..	135
Pinkney's Green	R. P. Lord, Esq.	5	0 10	240	26·7	28·97	..	..
D Maidenhead (Boulter's Lock)	The Thames Conservancy	5	1 6	82	..	26·64	189	143
D **Remenham Hill (Wedmore)**	Lt.-Col. C. D. Burnell, D.S.O.	5	1 0	300	27·5	28·85	170	144
D **Hambleden Lock**	Mr. T. E. Wise	5	2 0	107	27·0	29·01	202	151
d **Hurley House**	H. M. Farrer, Esq.	5	1 0	105	..	26·02	..	133
4.—THAMES—Kennet & c. 224 sq. mi.								
D **Inkpen (Manor Farm)**	A. A. Lawrence, Esq.	5	1 5	450	31·6	35·11	184	152
D **Inkpen (New Mill)**	G. C. Goodhart, Esq.	5	1 0	475	32·5	34·68	164	138
D Mortimer (Wokefield Park)	The late Dr. A. Palmer	5	1 0	220	25·2	30·33	180	141
D **Mortimer (Oakfield)**	Rev. G. G. Skipwith	6	1 0	200	26·1	31·53	198	145
D Brimpton (Little Park)	Lady Delia Peel	5	0 8	340	..	29·22	172	138
D **Brimpton (Stonehouse)**	F. Hadden, Esq.	5	0 7	350	27·5	30·63	171	138
Kintbury (Wallingtons)	A. S. Gladstone, Esq.	5	1 0	360	..	32·31	..	..

DIVISION II—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04in. or more.
BERKSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—THAMES—Kennet & c.—(*con.*).								
D **Newbury (Wash Hill)**	C. F. B. Marshall, Esq.	5	1 0	385	31·4	30·93	184	146
D Newbury (Wash Hill Ho.)	E. P. Plenty, Esq.	5	1 0	400	29·1	31·72	175	133
D Beenham (Beenham Lodge)	Sir Edward Freeling	5	1 0	320	..	30·06	181	148
D SHINFIELD (University Col. Farm)	Prof. J. A. Crowther	5	1 0	200	..	28·86	171	132
D **Bucklebury Place**	Mr. J. E. Henshall	5	1 0	409	..	27·40	175	146
d Newbury (Arlington Manor Gdns.)	Col. J. A. Fairhurst	5	1 0	350	..	(30·17)	(170)	(148)
D **Reading W.W. (Bath Road)**	L. C. Walker, Esq., C.E.	5	1 0	218	24·4	29·09	195	148
D **Reading (Tilehurst)**	Miss M. W. Latham	5	1 0	200	25·6	31·33	192	152
D **Reading (Forbury Gardens)**	A. S. Parsons, Esq., C.E.	5	1 5	143	24·9	28·31	176	143
D READING (University College)	Prof. J. A. Crowther	5	1 0	152	..	28·43	183	141
D **Reading (Caversham Lock)**	The Thames Conservancy	5	1 6	123	..	27·94	171	137
D **Chieveley (Priors Court)**	G. E. H. Palmer, Esq.	5	1 0	403	..	28·18	166	143
d **Peasemore House**	Mrs. E. Brown	5	1 6	490	..	(26·60)	..	..
5.—THAMES—Ock & o. 319 sq. mi.								
D Stanford Dingley (Dingley Hill)	C. O. Lowsley, Esq.	5	1 2	400	..	28·87	181	146
d **Reading (Englefield)**	J. H. Benyon, Esq.	5	1 0	175	27·4	30·14	..	137
D Bradfield Pumping Station	Mid-Wessex Water Co.	5	1 0	177	..	28·87	163	138
D Pangbourne (Jesmond Hill)	The Earl of Lucan	5	1 0	290	..	32·32	173	149
D Pangbourne (Woodberry)	W. H. Keep, Esq.	5	1 0	220	..	29·59	174	146
D Moulsford (The Old Vicarage)	E. R. Abbott, Esq.	8	1 4	170	..	29·42	173	130
D **Upton (Manor House)**	Miss C. S. Fry	5	1 0	240	..	24·13	181	134
D Wantage (Lockinge Estate Office)	E. Lousley, Esq.	5	1 1	400	27·8	25·89	165	148
D **Uffington (Woolstone Lodge)**	Miss A. E. Butler	5	1 0	350	27·6	25·59	162	127
Steventon (Milton Hill)	R. H. Betteridge, Esq.	5	1 6	300	25·4	26·41	..	..
D Wallingford (Winterbrook)	Frank K. Weedon, Esq.	5	1 0	151	24·9	27·51	167	137
D Wallingford (St. Leonard's Rec.)	Rev. A. Simmons	5	1 2	142	24·7	25·68	156	127
D Wallingford Castle	Major Hedges	5	1 3	175	23·8	25·38	171	132
D **Wallingford (Style Acre)**	A. L. Morphew, Esq.	5	1 4	200	25·2	26·31	167	137
D **Didcot (Sewage Works)**	Wallingford R.D.C.	5	0 9	170	..	24·73	171	137
D Appleford (Wigbalds)	A. Tame, Esq.	5	1 0	180	..	24·07	155	123
D Faringdon (Shellingford Ho.)	Mrs. K. Marshall	5	..	275	..	24·86	163	132
D **Abbots Wittenham Rectory**	Rev. W. F. B. Ward	5	1 0	190	..	26·62	186	134
D Long Wittenham (The Manor Ho.)	R. P. Sing, Esq.	12	1 0	170	25·3	27·19	160	135
D **Long Wittenham (Willington)**	H. J. Hewett, Esq.	5	1 0	167	25·2	27·92	180	136
D **Abingdon (Sewage Works)**	The Borough Surveyor	8	1 0	169	22·8	26·80	187	131
D **Abingdon (The Firs)**	Miss G. G. Challenor	5	1 3	200	23·7	27·45	174	139
D Abingdon (Frilford Heath)	R. W. Langford, Esq.	5	1 0	240	..	27·88	183	135
D Boars Hill (Blackthorn)‡	A. C. Pilkington, Esq.	5	1 0	410	25·6	(27·57)	(172)	(143)
D Oxford (Kennington Nursery)	Forestry Commission	5	0 10	350	24·7	26·24	170	133
d Eynsham (Swinford P.S.)	A. Carstairs, Esq., C.E.	5	1 0	203	..	26·82	..	118

DIVISION III—SOUTH MIDLAND COUNTIES.

MIDDLESEX. (Area, 232 sq. mi.)

1.—THAMES—Colne & Brent. 185 sq. mi.

D **Weybridge (Shepperton Lock)**	Thames Conservancy	5	1 0	41	23·1	24·85	172	123
D **Littleton (Queen Mary Res.)**	Met. Water Board	5	1 0	44	23·0	24·48	180	132
D **Hampton Waterworks**	Met. Water Board	5	1 0	27	22·7	23·52	172	132
d Kempton Works	Met. Water Board	5	1 0	40	22·6	22·08	..	117
d Hampton (Gloucester Rd.)	C. J. Palmer, Esq.	5	1 0	50	..	(23·03)	..	(125)
D Staines (Pumping Stn.)	Met. Water Board	5	1 0	55	..	24·52	185	128
D **Staines Reservoir (West Side)**	Met. Water Board	5	1 6	53	23·8	25·30	181	129
D **Staines Reservoir (East Side)**	Met. Water Board	5	1 6	53	23·9	25·62	182	135
D Twickenham Refuse D. Wks.†(+A)	The Borough Surveyor	5	1 0	37	..	21·96	167	124
D **Sipson**	Middlesex County Council	5	1 2	95	..	26·06	183	138

‡ Gauge moved 530 yards S.W. from Sherwood, June 1936.

† Formerly referred to as Sewage Works.

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

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MIDDLESEX—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—THAMES—Colne & Brent—(*con.*)								
D Sipson (Hollycroft)	Mr. W. J. Mitchell	5	1 0	94	22·5	25·48	185	139
D Kew Bridge (Waterworks)	Met. Water Board	5	1 3	36	24·1	23·69	172	125
d Chiswick (Turnham Green)	The Borough Engineer	8	1 0	27	23·3	24·32	..	..
D Hanwell (+A)	Middlesex County Council	5	1 9	36	24·5	25·24	166	139
D Ealing (St. Paul's Vicarage)	Rev. A. H. Cooper	5	1 6	100	24·7	24·99	185	149
D Ealing (Carlton Road)	H. W. Peal, Esq.	5	1 0	120	..	24·64	172	123
D Acton Pumping Station	W. G. Cross, Esq., C.E.	5	1 0	22	..	23·04	162	118
D Acton Cemetery (+A)	W. G. Cross, Esq., C.E.	5	1 6	100	..	24·97	176	127
D Hayes Sewage Works (+A)	Middlesex County Council	5	2 3	98	..	24·10	176	127
D Ealing (Hanger Hill Reservoir)	Met. Water Board	5	1 0	206	24·7	25·81	168	143
D Greenford (+A)	Middlesex County Council	5	1 3	61	..	27·85	187	141
D Perivale (Northern Sewage Farm)	Ealing Boro' Council	8	1 0	60	24·0	26·41	168	134
D Alperton (Sewage Works)	C. S. Trapp, Esq., B.Sc.	8	1 2	80	..	26·59	192	149
D Willesden Reservoir	Met. Water Board	5	1 0	167	25·6	26·51	173	136
D Willesden (Stonebridge Fm.)	F. Wilkinson, Esq., C.E.	5	5 9	100	..	25·98	182	131
D Northolt (Wood End Gdns.)	E. R. Sinfield, Esq.	5	1 0	260	..	27·28	186	148
D Sudbury (Station Approach)	L. H. Powers, Esq.	8	1 0	153	24·3	25·34	186	136
D Sudbury (36, Station Approach)	R. M. Eadie, Esq.	5	0 11	152	..	27·09	177	145
D Wembley (Keswick Gardens)	A. R. Bill, Esq.	5	1 0	150	..	25·13	172	131
d Golders Green (Dunstan Rd.)	R. A. S. Mackenzie, Esq.	5	1 0	240	25·3	26·60	..	..
D Highgate (North Hill Depot)	W. H. Adams, Esq., C.E.	5	1 0	303	25·4	26·19	188	131
D Harrow (Oakhurst)	Hugh Gardner, Esq.	5	1 6	295	24·2	26·94	185	141
d Brent Reservoir	Grand Union Canal Co.	5	3 4	138	..	(25·67)	(180)	(136)
D Harrow (Bessborough Rd. Depot)	Harrow U.D.C.	5	1 0	280	25·8	26·17	186	142
Kenton (Kingshill Drive)	T. Bedford Franklin, Esq.	5	1 0	250	..	27·24	..	..
D Hendon (Central School)	J. Burgess, Esq.	5	0 9	200	26·0	29·88	182	138
D Finchley (Church End)	Sister Marie Jacques	5	0 8	296	..	25·57	207	135
D Ruislip Reservoir	Grand Union Canal Co.	5	1 3	170	..	28·46	206	149
D Wealdstone (Kodak Works)	Messrs. Kodak, Ltd.	5	1 0	199	..	27·01	183	145
d Harrow (Wealdstone House)	Miss H. O. E. Cobb	5	1 0	236	25·1	26·67	(190)	(152)
Northwood (Tandridge)	Chas. Price, Esq.	5	1 0	..	25·5	27·30	170	150
D Edgware M.C.C. Depot (+A)	Middlesex County Council	5	0 9	179	25·8	27·70	167	138
d Mill Hill (Ridgeway House)	W. T. Bennett, Esq., M.A.	5	1 3	375	..	25·11	(161)	(136)
D Elstree (Barnet Lane)	G. V. Maxted, Esq., C.E.	8	1 0	470	..	28·02	178	137
D Elstree (Ridgeway)	Major N. G. Brett-James		0 10	440	..	27·94	178	141
D Potters Bar (Mount Grace)	J. Forbes, Esq.	5	1 3	375	26·1	29·76	191	152
2.—THAMES—Lea. 47 sq. mi.								
D Crouch End (Barrington Rd.) (+A)	W. H. Adams, Esq., C.E.	8	1 0	118	25·8	28·73	185	139
D TOTTENHAM (Drayton Road)	Medical Officer of Health	5	1 3	51	23·3	23·63	161	123
D Hornsey (High Street)	Met. Water Board	5	1 0	107	24·9	24·22	169	126
D Muswell Hill (Wightman Rd.)	W. H. Adams, Esq., C.E.	8	1 0	90	..	26·43	189	142
D Muswell Hill (Sewage Farm) (+A)	W. H. Adams, Esq., C.E.	8	1 0	209	26·1	26·38	199	142
D Wood Green (Maryland Road)	F. C. Hornsey, Esq.	5	1 0	110	..	25·45	179	133
D Finchley (Victoria Park)	P. T. Harrison, Esq., C.E.	5	0 11	272	26·3	26·57	209	141
D Palmers Gr. (Broomfield Pk.) (+A)	R. Phillips, Esq., C.E.	8	1 6	136	24·7	25·86	184	133
D Whetstone (Friern Barnet La.)	Dr. R. Telford Martin	5	1 0	400	..	27·02	192	140
D Winchmore Hill (Elsiedene Road)	V. E. Steers, Esq.	5	1 0	107	26·7	25·65	178	136
D Ponders End Pumping Station	Met. Water Board	5	1 0	45	23·3	24·19	169	130
D Enfield (Southbury Road)	Met. Water Board	5	1 0	148	24·7	24·86	175	134
D Cockfosters (Trent Park)	Lee Conservancy Catchm.Bd.	5	1 0	250	..	28·96	191	141
D Enfield (Forty Hill)	Dr. E. C. Carter	5	0 11	125	..	23·72	170	133
D Enfield (Roselands, Turkey St.)	E. S. Rashleigh, Esq.	5	1 0	80	23·2	24·34	179	137
D Waltham Cross (Sewage Works)	J. E. Sharpe, Esq.	5	1 0	61	22·6	24·85	161	133
HERTFORDSHIRE. (Area, 635 sq. mi.)								
1.—THAMES—Thame. 10 sq. mi.								
D Tring (Akeman St.)	T. Grace, Esq.	8	1 0	450	29·4	29·76	198	135
D Tring (Pendley Manor)	Mrs. J. G. Williams	5	1 0	420	28·4	31·75	187	154

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

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HERTFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—THAMES—Colne and Brent. 199 sq. mi.								
D Northwood (St. Mary's Ave.)	R. H. Daw, Esq.	5	1 0	231	..	28·33	189	146
d Northwood (Woodhouse Eaves)	Miss S. F. Fox, M.D.	5	1 0	400	27·6	30·96	..	152
D Northwood (Sandy Lodge)	H. L. Lewis, Esq.	5	1 0	220	..	32·12	196	152
D Bushey Heath (California La.)	Miss C. C. Cooper	5	1 0	500	26·0	29·25	170	150
w Totteridge (West Lodge)	P. D. Walker, Esq.	5	1 4	410	26·9	27·69	..	..
D Batchworth (Pumping Stn.)	J. Grimmett, Esq.	5	1 2	156	..	29·15	163	141
D Rickmansworth (Croxley Green)	S. Ingleby Oddie, Esq.	5	1 0	262	27·2	32·42	182	155
D Rickmansworth (Valley Road)	E. L. Hawke, Esq., M.A.	5	1 0	192	..	34·16	222	161
D Barnet (Bedford Avenue)	Miss M. Haines	5	1 4	350	27·9	31·09	180	147
D Barnet (Jesus Hospital)	P. J. Neville, Esq.	5	1 0	335	..	27·72	168	133
D Barnet (Sewage Works) (+A)	E. Scott, Esq., C.E.	5	1 0	295	..	28·74	193	139
D Watford (Colne Valley W.W.)	C. P. Sinclair, Esq.	5	3 0	200	25·6	28·31	184	148
D Watford (Waterworks)	W. W. Newman, Esq., C.E.	6	1 9	175	25·9	27·71	166	134
d Watford (Cassiobury Pk. Av.)	E. A. Robins, Esq.	5	1 0	240	26·2	29·40	..	..
D Watford (Stratford Road)	Miss L. M. Slinn	5	1 6	257	26·0	27·97	180	144
D Heronsgate (Waterfield Ho.)	A. J. Richardson, Esq.	5	1 0	390	..	32·11	185	147
D Sarratt (Micklefield Green)	J. O. Hickman, Esq.	5	0 6	380	29·0	32·84	179	152
D Shenley Grange	J. Charrington, Esq.	5	0 9	430	27·9	30·91	198	158
D Shenley (Kitwells)	T. H. Riches, Esq.	5	1 0	420	27·5	29·49	188	154
D Sarratt (Goldingtons)	P. Clutterbuck, Esq	5	1 0	384	29·0	33·90	177	153
D Kings Langley (Langleybury Gdns.)	E. Henry Loyd Esq.*		..	300	..	31·33	190	149
Chipperfield (Little Callipers)	Miss M. M. Rivington,*	5	1 0	407	27·6	32·55	..	..
D Kings Langley (Fir Tree Cottage)	Edward Toms, Esq.	5	1 0	278	28·1	33·65	183	146
D Kings Langley (Langley Rise)	F. W. Rowson, Esq.	5	0 9	360	27·4	31·02	167	143
D Bovingdon (Felden)	A. T. Collier, Esq.	5	0 9	500	..	34·90	194	142
D Hemel Hempstead (Apsley Mills)	Messrs. J. Dickinson & Co.	24	1 4	268	27·9	33·58	186	138
D Colney Heath (Tyttenhanger P.S.)	J. F. Haseldine, Esq.	5	0 9	241	25·7	30·33	190	148
Berkhampsted (Haresfoot)	T. G. Blackwell, Esq.*		..	500	..	32·29	..	..
D St. Albans (Co. Mental Hosp.)	G. Goodchild, Esq.	5	1 0	295	25·1	35·39	160	137
D St. Albans (County Museum)	Mrs. Bullen	5	1 0	389	27·4	31·93	178	148
D St. Albans (Oaklands Inst.)	The Principal	5	1 0	272	24·9	31·08	173	142
D St. Albans (Gorhambury)	The Head Gardener	5	1 0	423	27·9	35·00	192	151
D Hatfield (Hatfield P. Stn.)	J. F. Haseldine, Esq.	5	1 0	334	24·7	29·01	189	146
d Berkhamsted (Rossway)	The Lady Hadden	5	1 1	590	..	36·22	..	135
D Berkhamsted (Anglefield)	E. T. Browne, Esq.	5	1 0	450	29·8	36·15	179	141
d Berkhamsted (Amersfort)	Mrs. Walter Cohen	5	1 0	510	..	36·64	..	141
D Berkhamsted (Dudswell)	Rev. A. du B. Hill	5	1 3	390	..	(34·23)	189	145
D Tring (Cowroast Lock)	Grand Union Canal Co.	5	1 0	390	29·7	32·69	171	147
D Harpenden (Rothamsted) (+A)	Lawes Agricultural Trust	8	0 9	420	26·7	30·37	191	138
D Harpenden (Rothamsted)	Lawes Agricultural Trust.	5	0 9	420	27·3	32·18	190	143
D Harpenden (Rothamsted)	Lawes Agricultural Trust.	72×87	0 9	420	28·6	33·25	195	146
d Little Gaddesden (Ringshall End)	H. C. Bradby, Esq.	5	1 0	700	28·9	32·31	..	..
D Markyate Waterworks	T. H. Lighbody, Esq.	5	1 0	538	..	32·79	203	146
3.—THAMES—Lea. 340 sq. mi.								
d Cheshunt (Manor House)	J. E. Sharpe, Esq.	5	1 0	83	24·2	24·73	..	..
D Northaw School	C. Steventon, Esq.	5	5 0	350	26·8	26·12	169	128
D Goff's Oak	D. L. Champion, Esq.	5	1 0	330	..	27·58	193	136
D Cheshunt Yard	Met. Water Board	5	1 0	100	24·1	27·22	189	140
D Cheshunt (Cheshunt Park)	J. A. Wanklyn, Esq.	5	0 9	209	23·2	29·86	197	151
D Cheshunt (Darnicle Hill P. Stn.)	Met. Water Board	5	1 0	250	26·2	30·14	189	148
D Essendon Place Gardens	J. B. Healing, Esq.	5	1 0	365	26·6	30·12	166	143
Little Berkhampstead	A. Noble, Esq.	5	1 0	380	25·0	27·15	..	..
D Broxbourne (Broxbournebury)	Mr. D. Cake	5	1 0	140	..	27·26	196	138
D Hoddesdon	H. F. Hayllar, Esq.	5	4 3	120	23·7	23·74	174	135
D Hoddesdon (Feilde's Weir)	Met. Water Board	5	3 8	95	23·7	24·58	186	154
D Haileybury College	The Headmaster	8	1 0	270	24·8	27·70	193	143
D Hertford (Cole Green)	Lee Conservancy Catchm. Bd.	5	1 0	240	..	29·73	175	146
d Stanstead Abbots (Warrax)	E. H. Barlow, Esq.	5	1 2	110	24·4	24·72	..	130

* *Per* Hertfordshire Natural History Society.

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
HERTFORDSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—THAMES—Lea—(*con.*)								
D Gilston Park	The Head Gardener	8	1 0	175	25·7	28·09	185	152
D Welwyn Garden City (Sewage Wks.)	K. S. Henderson, Esq.	5	1 0	246	24·7	28·92	187	150
D Hertford (Sewage Works)	Met. Water Board	5	1 0	123	23·3	26·55	186	136
D Ware (Red House)	Met. Water Board	5	1 0	105	23·5	25·34	177	105
D Ware Grammar School	The Headmistress	5	1 0	118	23·0	26·93	167	126
D Ware (Chadwell Spring)	Met. Water Board	5	1 0	140	24·2	26·94	179	136
D Wareside (Morley House)	Lee Conservancy Catchm. Bd.	5	1 0	220	..	25·11	195	129
D Welwyn (Harmer Green)	Mrs. E. Weber	5	1 0	403	25·5	29·68	196	147
Welwyn (The Manor House)	Lt.-Col. J. B. Gilliat*	5	0 9	245	..	29·22	..	..
D Kimpton (Stoneheaps)	S. Bendixson Esq.	5	1 0	305	..	29·20	180	152
D Welwyn (Codicote Lodge)	Mr. E. A. Roberts	5	1 0	340	25·8	29·80	191	146
D Much Hadham (Wynches)	Lady Wilson	5	1 3	300	..	26·53	175	136
D Much Hadham	Miss J. Mott	5	1 0	212	25·1	27·91	170	137
D Bishop Stortford (Twyford Ho.)	Laurie Frere, Esq.	5	1 0	181	23·7	27·36	188	138
D Bishop Stortford (Little Canes)	Hugh W. Hart, Esq.	5	1 0	250	..	30·32	187	151
Breachwood Green	S. J. Simpson, Esq.	5	2 0	484	..	29·45	..	..
D Bishop Stortford (Dunmow Road)	H. J. Holmes	5	1 1	290	..	31·31	185	146
D Little Hadham (Hadham Hall)	Miss S. Minet	5	1 0	338	24·5	29·25	179	149
D Hitchin (Preston)	R. de. V. Pryor, Esq.	8	1 0	484	25·2	27·79	173	138
D Braughing (Upp. Hall)	Lady Brodie Henderson	5	1 6	370	..	29·93	197	143
D Furneaux Pelham (The Brewery)	G. Warren Bindloss, Esq.	5	1 0	300	24·8	28·31	189	135
D Buntingford (Wyddial)	Lee Conservancy Catchm. Bd.	5	1 0	410	..	28·20	183	132
D Royston (Therfield Rectory)	Rev. H. R. Humphreys	5	1 0	512	25·2	29·59	190	136
4.—OUSE. 86 sq. mi.								
d Offley (School House)	The Headmaster	5	1 0	526	25·4	28·73	..	130
d Hitchin (High Down)	Miss E. Pollard	5	1 1	421	24·6	27·18	..	120
D Letchworth (Gernon Road)	A. W. Brunt, Esq.	5	1 0	280	22·8	24·22	170	111
D Letchworth (Sollershott West)	Edward Grubb, Esq.	8	0 11	310	23·1	25·82	181	129
D Letchworth (Fire Station)	The Surveyor, U.D.C.	5	1 0	281	22·3	25·84	166	124
D Barley (Dalnyveed)	W. F. Sermons, Esq.	5	1 0	300	24·0	27·45	179	121
D Royston (Earls Hill House)	Col. E. C. M. Phillips, D.S.O.	8	1 3	225	23·6	27·94	201	133
BUCKINGHAMSHIRE. (Area, 743 sq. mi.)								
1.—THAMES—Cherwell. 30 sq. mi.								
2.—THAMES—Thame. 158 sq. mi.								
D Parslow's Hillocks	Col. C. S. Prichard	5	1 0	770	31·1	33·44	182	140
D Princes Risborough (Research Lab.)	The Director	5	1 0	333	..	29·05	186	138
D Little Kimble	Dr. L. T. Burra	5	0 10	370	25·0	25·69	171	129
D Halton Camp	R.A.F. Inst. of Pathology	5	1 0	544	..	30·51	181	138
d Weston Turville	G. Eland, Esq.	5	1 0	320	25·5	27·87	..	127
D Tring (Bulbourne)	Grand Union Canal Co.	5	1 0	401	26·2	30·56	184	151
D Aylesbury (Sewage Works)	W. H. Taylor, Esq.	5	1 0	251	25·9	26·22	175	133
d Mentmore Gardens	Mr. T. Lindores	5	1 3	400	25·0	27·21	(173)	(138)
D Quainton (Quainton Cottage)	Sir L. H. West, O.B.E.	5	1 0	350	..	26·00	168	129
3.—THAMES—Wye & c. 129 sq. mi.								
D Eton (Tangier Island) (+A)	F. N. McRae, Esq.	5	0 8	68	24·6	26·60	180	140
D Slough (Upton)	Mrs. L. R. Bentley,	5	1 0	78	23·9	25·31	183	132
Slough (Windsor Road)	F. W. K. Hare, Esq.	5	0 11	69	..	25·23	..	129
D Taplow (Beechwood)	Messrs. Wm. Wood & Son, Ld.	5	1 0	..	..	24·64	162	130
D Taplow Court Gardens	G. H. Emmett, Esq.	5	1 0	211	23·9	27·80	174	148
d Henley-on-Thames (Greenlands)	Lord Hambleden	5	1 0	125	27·1	26·65	..	120
D Burnham Vicarage	Rev. P. Nott†	5	1 9	100	..	25·78	179	138
Stoke Poges (Tithe Farm)	G. J. Mortlock, Esq.	5	1 0	164	..	26·99	..	..
D Marlow (Harleyford Gdns.)	Sir Harold Clayton	5	2 0	97	..	30·49	168	153
D Bourne End	Major Forbes Holland	5	2 0	91	..	31·04	180	144
d Bourne End (Hedsor)	J. Wood, Esq.	8	1 0	170	..	28·50	..	138
D Hambleden (Hatchmans)	Prof. G. E. Gask, C.M.G., D.S.O.	5	0 5	185	..	31·67	186	140
D High Wycombe (Flackwell Hth.)	E. Dickson Park, Esq.	5	1 10	365	26·8	29·37	182	151

* *Per* Hertfordshire Natural History Society. † per J. W. Madeley, Esq., C.E.

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

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BUCKINGHAMSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3. THAMES.—Wye & c.—(*con.*)								
D Penn (Woodside)	Miss E. M. T. Epps	5	1 0	500	30·7	33·30	193	160
D Penn (Rayners)	Mr. E. Peett	5	1 10	547	29·4	34·19	178	151
D Radnage (Yewsdene)	Rev. H. E. Cooper	5	0 11	430	..	37·37	172	147
D Hampden House	The Earl of Buckinghamshire	5	1 0	695	29·2	32·24	182	147
4.—THAMES—Colne. 133 sq. mi.								
d Wraysbury School	R. Watson, Esq.	5	0 8	59	..	24·77	..	..
D Slough (Ditton Park)	G. B. Harrison, Esq.	5	3 0	70	24·7	25·05	170	123
D Slough (Langley)	R. H. Major, Esq.	8	0 10	85	23·9	25·03	174	136
Denham Golf Club	The Secretary	5	0 11	210	26·4	27·39	163	144
d Gerrards Cross (Bulstrode Gdns.)	Mr. G. Taylor	5	1 6	280	27·2	29·70	..	146
D Beaconsfield	S. H. Dyer, Esq.	5	1 0	250	27·7	30·30	185	142
d Chalfont St. Giles (The Colony)	J. W. Edwards, Esq.	8	1 1	340	..	(28·84)	(182)	(147)
d High Wycombe (Hazlemere Sch.)	A. J. Chapman, Esq.	5	1 6	568	28·1	34·05	..	..
D Chalfont St. Giles (Roughw'd P'k.)	Thurston Agelasto, Esq.	5	1 0	400	28·8	32·70	176	144
D Amersham Waterworks	F. L. Gordon, Esq.	8	1 0	292	..	33·01	183	149
D Amersham Common (The Plantation)	Mrs. G. H. Fawcett.	8	1 0	464	28·2	33·65	192	150
D Amersham Common (Stanmore)	W. Garton, Esq.	5	1 6	517	30·6	34·70	186	145
D Gt. Missenden (Pumping Sta.)	J. Grimmett, Esq.	5	1 0	372	27·6	33·56	184	138
d Chesham (Nashleigh Hill)	Mrs. Hayes	5	1 0	530	29·1	31·72	..	..
d Mayortorne Manor	Miss N. E. Laycock	5	1 0	500	28·7	29·10?	..	..
5.—OUSE. 293 sq. mi.								
D Oving House	Mrs. H. Yates Thompson	5	1 0	515	26·4	28·62	195	146
d Swanbourne House School	L. L. C. Evans, Esq.	5	1 0	411	26·3	31·21	..	151
D Mursley Hall	Lady Beecham	8	1 0	490	25·7	25·81	174	117
D Buckingham (Market Hill)	A. Pettipher, Esq.	5	1 0	300	25·3	30·86	201	139
d Wavendon House	S. H. Le Roy Lewis, Esq.	5	1 0	250	..	(28·07)	(192)	(136)
D Wolverton (Gables Lodge)	J. Forster, Esq.	5	1 0	264	24·0	27·14	192	140
d Wolverton (Council School)	The Headmaster	5	5 0	263	22·9	26·34	..	..
D Newport Pagnell (Lovat Bank)	F. W. Taylor, Esq.	5	1 6	250	..	28·04	185	141
D Newport Pagnell (Lathbury)	F. W. Coates, Esq.	8	1 2	228	23·2	27·05	193	137
D Olney (Gresham Ho.)	H. J. Wells, Esq.	8	1 0	150	..	27·09	181	125
d Turvey (Brayfield House)	Major D. Farrer, J.P.	5	5 0	188	23·3	30·57	..	147
OXFORDSHIRE. (Area, 756 sq. mi.)								
1.—SEVERN—Upper Avon. 10 sq. mi.								
D Sibford Ferris (Woolman Cottage)	Joshua Lamb, Esq.	5	1 0	570	*27·3*	28·93	182	141
2.—THAMES—Windrush & c. 261 sq. mi.								
D Kelmscott	R. Hobbs, Esq.	6	0 10	150	*26·0*	25·46	181	136
D Bampton (C.E. School)	E. W. Fry, Esq.	5	0 10	233	*26·2*	26·58	169	140
Broughton Poggs	J. N. Hardcastle, Esq.	5	1 0	275	*26·7*	27·80	..	..
D Filkins	Hon. Sir Stafford Cripps, K.C.	5	2 0	279	*25·1*	25·90	195	152
d Witney (Cokethorpe)	Major H. G. Feilden	5	1 8	230	*26·0*	29·85	..	136
D Burford (Westhall Hill)	Capt. W. R. W. Kettlewell, R.N.	5	1 0	400	..	28·63	187	140
D Charlbury (Cornbury Park)	The Head Gardener	5	1 0	420	..	35·52	172	145
D Wootton Rectory	Rev. F. R. Marriott	5	1 0	375	*26·8*	31·44	187	148
D Bruern Abbey (The Gardens)	F. S. Smith, Esq.	5	1 0	340	*28·7*	34·20	175	151
D Chadlington (The Manor)	P. Handy, Esq.	5	1 0	400	*27·9*	27·95	173	136
D Chadlington (Langston House)	Lt.-Col. F. W. Schofield, CMG.	5	1 0	430	..	31·70	181	145
D Chipping Norton (Heythrop Col.)	The Procurator	8	1 0	600	*28·5*	30·58	184	147
D Chipping Norton (Bungalow)	T. H. Pettipher, Esq.	5	1 0	750	*28·1*	30·63	205	136
D Chipping Norton (Choicehill)	E. W. Arkell, Esq.	5	1 0	500	*27·0*	27·64	167	140
3.—THAMES—Cherwell. 250 sq. mi.								
D Nuneham Park Gardens	The Head Gardener	8	1 0	280	*25·0*	26·60	170	129
D Oxford (Hincksey Pump. Sta.)	A. Carstairs Esq., C.E.	8	1 0	187	*24·4*	24·10	180	126
D Oxford (Osney Lock)	Thames Conservancy	5	1 6	186	*24·1*	24·83	196	133
D Oxford (Magdalen College)	F. J. Parker, Esq.	5	1 0	186	23·8	23·93	182	124
D Oxford (Radcliffe Met. Stn.) (+A)	W. G. Kendrew, Esq., M.A.	8	1 8	208	24·8	25·71	179	132
D Headington (Warneford Asy.)	Dr A. W. Neill	5	1 0	300	..	23·39	165	135

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

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OXFORDSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—THAMES—Cherwell—(*con.*)								
D Oxford (Northmoor Road)	Rev. Canon J. S. Wimbush	8	1 0	210	*24·5*	25·47	177	129
D Headington Hill (Thornhill)	E. S. Fry, Esq.	5	1 0	..	*24·7*	24·81	174	130
D Elsfield (Home Farm)	Miss M. J. Parsons	5	1 0	355	*24·7*	25·85	168	135
D Tackley (Sturdys Castle)†	W. Evetts, Esq.	5	1 0	340	*26·2*	27·71	180	147
D Bicester (St. John's)	Rev. H. R. Long	5	0 10	240	..	25·02	194	141
D Middleton Park	The Earl of Jersey	5	1 6	326	25·8	27·84	178	138
D Upper Heyford (Aerodrome)(+A)	Meteorological Officer	8	1 0	408	*26·0*	28·01	186	132
D Steeple Aston (The Grange)	Arthur E. Bradshaw, Esq.	8	1 0	400	*27·0*	29·73	189	138
d Adderbury (The Green)	Miss L. C. Jansen	5	..	300	..	28·36	..	..
D West Adderbury (Cross Hill)	Lt.-Col. H. E. du C. Norris	5	1 0	338	..	29·27	185	141
D West Adderbury (St. Amand's)	Rev. B. W. Bradford	5	2 0	350	*26·5*	28·04	188	132
D Adderbury (The Rookery)	C. C. Bradford, Esq.	8	1 0	323	..	29·11	184	154
d Banbury (Cotefield)	Capt. C. N. Keyser	5	1 0	300	..	27·38	..	140
D Banbury (Epwell Mill)	P. Withers, Esq.	5	1 0	520	..	28·07	181	130
D N. Newington (Orchard Ho.)	H. J. Busby, Esq.	5	1 3	392	..	27·11	174	137
D Banbury (Bloxham Road)	Dr. C. Royds Jones	5	1 0	416	..	26·85	189	133
D*Grimsbury (Banbury W.W.)	Banbury Water Co.	8	4 0	316	..	26·63	177	136
4.—THAMES—Thame & c. 210 sq. mi.								
D Caversham (Ranmore)	J. G. Sargent, Esq.	5	1 6	200	..	27·97	177	139
D Goring Heath	Rev. Canon F. T. Wintle	5	1 0	400	*27·2*	30·96	195	153
D Shiplake (Crescent Key)	A. E. Hobbs, Esq.	5	0 9	127	..	26·99	176	136
D Goring	G. C. Turner, Esq.	5	1 0	159	*26·4*	33·94	180	147
D Harpsden (Cray) (+A)	B. E. Dunbar Kilburn, Esq.	5	1 0	230	*26·3*	27·62	176	144
D Henley-on-Thames (Hart St.)	A. Edward Hobbs, Esq.	5	1 0	110	*25·7*	26·74	172	134
D Henley-on-Thames (Greys Lane)	G. F. Smith, Esq.	5	1 1	123	*26·1*	28·18	180	140
D Henley-on-Thames (Greys Gr.)	Mrs. H. Wolferstan	5	1 6	350	27·2	29·62	189	143
D Ipsden (Hailey)	Glynne Williams, Esq.	5	1 0	350	*26·5*	30·49	209	145
D Nettlebed (Joyce Grove) No. 1	Mr. F. Morby	5	1 0	590	*31·8*	32·99	171	146
D Swyncombe House	C. W. Christie-Miller, Esq.	5	1 0	515	*29·5*	32·04	166	142
D Swyncombe (Cookley House)	J. S. C. Bridge, Esq.	5	1 0	730	..	32·53	188	144
D Culham	F. Mitchell, Esq.	5	0 10	180	*23·0*	24·78	177	131
Culham (Zouch Farm)	P. E. Saunder, Esq.	5	3 6	186	*22·5*	22·62	..	..
D Clifton Hampden (Manor House)	Lord Aldenham	5	1 0	190	23·7	26·94	171	138
D Watlington (Pyrton Manor)	Major H. Ducat Hamersley.	5	1 0	325	*26·7*	29·37	176	144
D Toot Baldon (Potlands)	D. Clinkard, Esq.	5	1 0	288	*25·4*	27·17	164	141
5.—OUSE. 25 sq. mi.								
NORTHAMPTONSHIRE. (Area, 1003 sq. mi.)								
1.—SEVERN—Upper Avon. 60 sq. mi.								
D Rugby (Kilsby Vicarage)	Rev. C. Ryder Macnally*	5	0 10	450	*26·5*	27·69	155	124
D Winwick Warren	Capt. P. L. Ransom	8	1 5	648	*27·2*	28·42	187	141
D Naseby Reservoir	Grand Union Canal Co.	5	2 0	519	*25·7*	27·47	201	147
2.—THAMES—Cherwell. 77 sq. mi.								
D Croughton	C. A. St. George Moore, Esq.	5	1 0	430	*25·6*	28·72	174	135
d*King's Sutton (Manor House)	G. Morgan, Esq.	5	1 0	338	*25·8*	25·95	..	..
3.—OUSE. 148 sq. mi.								
D*Brackley (Waterworks)	W. M. Oldreive, Esq.	5	1 5	471	*26·1*	27·26	167	133
D Hazelborough Woods	Forestry Commission	8	1 0	241	*25·5*	27·80	183	150
D Silverstone (The Chantry)	Miss A. M. Wood		..	450	..	28·74	177	137
D Silverstone (Council School)	J. P. Osborne, Esq.	5	1 0	400	*25·9*	28·44	181	129
D Wappenham (Lois Weedon Vic.)	Rev. E. V. Fenn	5	1 2	400	..	26·76	192	143
D Towcester (Bradden House)	Miss U. Grant-Ives	5	0 10	420	*26·9*	27·89	191	135
D Towcester (Easton Neston)	The Rt. Hon. Lord Hesketh	8	1 0	325	*25·8*	29·07	206	144
w Hargrave Hall	Sir K. Murchison	5	1 0	273	*23·7*	26·39	..	..

* Reporting to Northamptonshire Natural History Society (where the return is received from the N.N.H.S. the asterisk is after the observer's name).

† Moved from Hill Court in October, 1936.

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
NORTHAMPTONSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NENE. 622 sq. mi.								
D Salcey Forest	Forestry Commission	8	1 3	370	26·4	28·77	198	135
D*Blisworth (Crieff House)	A. Westley, Esq.	5	1 0	351	24·9	27·66	201	132
D Blisworth (Grand Junc. Canal)	Grand Union Canal Co.	5	1 6	300	*23·8*	27·87	190	132
D*Little Houghton House	Mrs. U. C. Davidge	5	1 0	270	24·3	27·99	180	138
D Northampton (Hardingstone G.Stn.)	Electric Light & Power Co.	5	1 0	189	..	25·64	187	136
D Northampton (Upton)	J. R. Foster, Esq.	5	1 0	270	..	25·47?	173	133
Northampton (St. Andrew's Hosp.)	D. F. Rambout, Esq., M.D.	5	0 9	250	..	28·15	176	144
d Northampton (General Hosp.)	The Secretary-Supt.*	5	1 1	258	23·5	28·05	187	135
D Northampton (Mental Hosp.)	W. R. Budgen, Esq.*	8	1 2	398	24·3	26·40	181	125
D*Northampton (Stimpson Av.)	W. C. Knill, Esq.	8	1 0†	329	..	26·96	185	139
D*Northampton (Mercers Row)	R. H. Primavesi, Esq.	5	12 0	250	23·6	30·78	208	146
D*Duston (Southfield Road)	W. P. Walker, Esq.	5	1 0	342	25·4	28·14	202	146
D Wollaston	G. Harris, Esq.	5	2 0	250	23·0	28·87	195	138
D Daventry (Tunnel End)	Grand Union Canal Co.	5	1 6	394	25·5	28·04	181	140
D*Althorp Park	Mr. G. Low	5	1 0	414	26·1	29·99	187	148
D Sywell Hall	Brig.-Gen. H. E. Stockdale	5	1 0	371	26·3	30·73	200	153
D Wellingborough (Nene Wharf)	R. Nene Catchment Bd.	5	1 0	135	..	28·79	182	138
D*Wellingborough (Swanspool)	R. S. Henshaw, Esq., C.E.	5	1 0	169	24·3	30·68	204	145
D§Wellingborough (Sewage Works)	R. S. Henshaw, Esq., C.E.	5	1 0	139	*23·2*	27·71	185	125
D§Wellingboro' (Bushfield W.W.)	R. S. Henshaw, Esq., C.E.	8	1 0	286	*23·3*	29·84	198	137
d*Watford Court	Lord Henley	8	1 0	430	26·5	28·79	..	130
D*Ravensthorpe	W. C. Knill, Esq.	5	1 0	370	*25·5*	27·01	191	127
d West Haddon (Foxhill)	P. F. H. Wykeham, Esq. C.E.	8	1 0	440	..	25·81	..	125
D Hardwick Pumping Stn.	R. S. Henshaw, Esq., C.E.	5	1 0	318	..	27·15	179	135
D Orlingbury Pumping Station	R. S. Henshaw, Esq., C.E.	5	1 0	286	..	29·94	178	146
D Lamport Grange	Sir Ch. Frederick**	5	0 6	440	..	30·87	181	156
D Kettering (Cransley Furnaces)	New Cransley Iron & Steel Co.	5	1 0	218	..	29·23	191	136
D Kettering W.W. (Cransley)	Major J. P. Haugh	8	1 0	275	23·7	28·69	192	133
D*Kettering (Sewage Works)	Major J. P. Haugh	8	1 0	199	24·2	29·07	198	136
D Kettering W.W. (Thorpe Malsor)	Major J. P. Haugh	5	1 0	351	24·8	29·81	199	140
D Kettering W.W. (Clover Hill)	Major J. P. Haugh	5	1 0	344	24·2	27·86	191	132
d Thrapston (Drayton Ho.)	Mr. C. V. Craske	5	1 6	220	24·7	28·04	..	136
D Thrapston (Islip)	G. E. Abbott, Esq.	5	1 0	150	..	27·66	180	131
Rothwell (Loddington)	Mr. J. Oliff	5	1 0	400	25·1	27·60	161	121
D Tichmarsh Rectory	Rev. Canon A. M. Luckock*.	5	1 0	170	23·9	28·79	218	136
D Rothwell (Shotwell Mill W.W.)	The Surveyor, U.D.C.	5	1 6	340	23·6	27·72	181	132
d Desborough Council School	F. W. Grudgings, Esq.	5	1 0	400	25·1	28·37	..	..
D Desborough U.D.C. Waterworks	A. Harris, Esq., C.E.	5	0 9	457	24·7	28·43	166	134
d Barnwell (Lilford Hall)	Lord Lilford	8	1 0	..	23·8	28·40	..	..
d Oundle (Milton Road)	J. M. Siddons, Esq. C.E.	5	1 6	131	22·3	24·62	..	116
D*OUNDLE (School)	The Headmaster	8	1 0	147	*22·3*	25·61	195	127
d Oundle (Nene Wharf)	R. Nene Catchment Bd.	5	1 0	65	..	26·51	(167)	(121)
D Peterborough (Woodston)	Central Sugar Co., Ltd.	5	1 0	25	22·3	24·45	177	112
D Peterborough (Westbourne Ho.)	E. H. Colman, Esq.	5	1 0	35	21·6	24·56	178	115
Peterborough (Sewage P.S.)	F. J. Smith, Esq., C.E.	8	0 10	9	..	24·47	164	120
D Peterborough (Park Crescent)	S. M. Egar, Esq.	5	1 0	..	..	25·71	188	121
D*Peterborough (Abbeyfields)	Major J. Shipley Ellis, J.P.	5	1 0	49	21·8	25·38	181	124
D*Peterborough (Milton Park)	Mr. E. A. Parker	5	2 0	86	23·7	25·17	169	122
D Wittering (Whitewater)	E. Betts, Esq.	8	1 0	241	23·7	23·95	172	126
D Wittering (Bone Mill)	E. Betts, Esq.	8	1 0	..	23·5	25·17	172	134
5.—WELLAND. 96 sq. mi.								
D Market Harboro' (Dingley Hall)	Mr. V. Read*	5	1 6	400	*26·0*	32·29	205	154
D Gretton School	The Headmaster	5	0 10	380	..	28·26	166	128
d Gretton (Hillside)	W. Leeson, Esq.	7	1 0	275	..	27·16	176	138
d Easton-on-the-Hill	W. H. Tillson, Esq.	5	0 7	290	23·5	25·37	..	..
D Market Deeping (Etton)	F. J. Smith, Esq. C.E.	8	1 0	25	*21·8*	21·84	175	114

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† "Ground" is the roof of a reservoir 18 ft. above the general level.

§ Turf wall round gauge. **Per River Nene Catchment Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
HUNTINGDONSHIRE. (Area, 366 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—OUSE. 327 sq. mi.								
D St. Neots (The Square)	Miss L. Sibley	5	0 10	50	21·9	26·46	199	141
D Brampton School	W. T. Carter, Esq.	5	1 0	40	..	24·37	178	126
d Hemingford Grey	G. F. Wilson, Esq	5	1 6	20	21·9	24·98	..	122
D St. Ives (Slepe House)	Dr. W. R. Grove	5	1 0	25	22·6	24·93	186	123
D Huntingdon (Hinchingbrooke)	W. Prowting, Esq.	5	2 0	70	22·4	26·98	189	123
D Catworth (School House)	The late J. H. Annet, Esq.	5	0 9	238	23·7	23·73	183	124
D Whittlesea Mere	Major R. G. Clark, C.E.	8	1 6	10	21·4	23·29	183	127
2.—NENE. 39 sq. mi.								
BEDFORDSHIRE. (Area, 467 sq. mi.)								
1.—THAMES—Colne. 20 sq. mi.								
D Studham Hall	Mr. L. Seward	5	1 2	630	..	31·93	184	144
D Whipsnade Park	The Zoological Society	5	1 0	704	..	33·20	173	146
D Luton (Stockwood)	Capt. H. C. Ross-Skinner	5	1 0	539	..	30·24	172	144
2.—THAMES—Lea. 32 sq. mi.								
D Luton (Pumping Station)	J. W. Tomlinson, Esq., C.E.	5	1 0	343	*25·9*	30·01	190	145
D Dunstable (Cement Works)	Works Manager	8	1 0	430	..	29·70	190	133
D LUTON (Wardown Park)	J. W. Tomlinson, Esq., C.E.	5	1 0	381	..	26·97	163	126
d Luton (The Downs)	Lee Conservancy Catchm. Bd	5	1 0	485	..	(31·97)	(195)	(148)
D Luton (Hyde House)	Rev. W. F. Hicks, M.A.	5	2 0	400	..	28·62	194	139
D Luton (Stopsley)	Lee Conservancy Catchm. Bd.	5	1 0	540	..	28·59	190	138
3.—OUSE. 408 sq. mi.								
d Meppershall (High Street)†	Mrs. G. Rainbow	5	0 5	250	..	26·12	(187)	(131)
D Hockliffe (Lyndhurst)	C. J. Kilby, Esq	5	1 0	350	..	30·66	164	143
D WOBURN (Experimental Farm)	Lawes Agricultural Trust	8	1 0	291	23·9	27·74	189	135
D Woburn (Fruit Farm, Ridgmont)	E. J. Hobbs, Esq	5	1 0	270	..	29·84	180	142
D Letchworth (New Sewage Works)	The Surveyor, U.D.C.	5	1 0	195	..	25·47	181	126
D Stotfold (Three Co. Mental Hos.)	Dr. L. O. Fuller	5	1 0	220	*23·2*	24·77	175	115
D Silsoe (The Red House)	H. I. Godfrey, Esq.	5	..	..	..	24·98	166	122
D Arlesey Sewage Works	W. G. Ashmole, Esq.	5	1 0	130	..	25·84	205	127
D Aspley Guise	C. A. C. Bowlker, Esq., M.A.	5	1 0	408	..	29·73	183	143
D Shefford (Clifton Bury)	W. Inskip, Esq	5	1 0	137	..	25·67	202	123
D Shefford Council School	Mrs. R. Alldritt	5	1 0	126	..	29·40	186	127
Shefford (Stanford)	H. Inskip, Esq	5	2 6	90	..	24·72	..	..
D Biggleswade (New Spring P.S.)	T. A. Staniforth, Esq	5	1 6	180	..	24·90	194	115
D Biggleswade (Ickwell Bury)	Rev. G. L. Deuchar	8	1 2	125	..	25·03	187	123
d Potton (Sewage Wks.)	C. M. Robinson, Esq.	5	1 2	118	..	25·65	..	124
D Sandy (Mogerhanger Park)	Dr. C. G. Welch	5	1 0	152	..	27·41	175	131
D Sandy (Sewage Works)	Sandy U.D.C.	5	1 0	72	..	25·21	191	123
D Bedford (Castle Road)	Miss M. E. Newbery	5	7 0	108	..	27·57	189	137
D Bedford (Bedford Park) ..(+A)..	The Borough Engineer	8	1 3	117	..	27·12	171	123
d Goldington (Castle Mill House)	G. A. Rogers, Esq.	5	1 6	75	..	25·43	(165)	(123)
D Great Barford House	J. Arnold Whitchurch, Esq.	5	1 6	120	..	27·08	183	139
Sharnbrook (Glen Lui)	L. Stileman-Gibbard, Esq.	5	1 0	210	..	27·65	211	135
4.—NENE. 7 sq. mi.								
CAMBRIDGESHIRE. (Area, 863 sq. mi.)								
1.—STOUR. 17 sq. mi.								
2.—OUSE. 741 sq. mi.								
D Ashwell (Odsey)	W. Herbert Fordham, Esq.	5	2 0	256	23·0	28·67	195	124
D Guilden Morden Vicarage	Rev. Ll. G. S. Price	5	1 0	140	21·9	25·74	180	124
Abington Pigotts Hall	Rev. M. de Courcy-Ireland	5	1 0	87	21·8	34·50	179	126
D Melbourn (Melbourn Bury)	A. R. Fordham, Esq.	5	1 0	90	..	25·94	200	128
D Meldreth (Chiswick Farm)	A. A. Howard, Esq.	5	1 1	70	22·4	27·27	200	137
D Bartlow (HORSEHEATH)	Major E. P. Kingzett	5	1 0	402	..	26·80	195	138

† Gauge previously at Shefford (Stondon Manor).

DIVISION III—SOUTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
CAMBRIDGESHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—OUSE—(*con.*)								
D Hildersham (Old Mill House)	Lt.-Col. O. B. Foster	5	0 9	108	..	27·04	210	134
Wimpole Hall	W. J. Snell, Esq.	5	1 0	141	23·0	27·86	..	128
D Grantchester (Lyndewode)	J. Nutter, Esq	5	1 0	31	22·6	26·74	179	124
D Fulbourn (Fleam Dyke)	Cambridge W.W. Co.	5	1 0	99	21·0	26·54	205	119
D Fulbourn Pumping Station	Cambridge W.W. Co.	5	1 0	37	22·9	23·15	176	122
D Fulbourn (Cambridge Mental Hos.)	The Farm Bailiff	5	1 6	72	..	27·55	161	111
D Cambridge W.W. (Cherryhinton)	Cambridge W.W. Co.	5	1 0	35	21·6	23·76	173	114
D Cambridge (Barrow Road)	N. T. Myers Esq.	8	0 9	47	23·8	27·09	182	118
D Cambridge (Corporation Store Yd.)	G. W. Teasdale, Esq., C.E.	5	1 8	52	21·2	23·65	176	111
D CAMBRIDGE (BOTANIC GARDENS)	The Curator	5	1 1	41	21·8	24·81	162	113
D Cambridge (Trumpington Rd.)	Canon H. J. E. Burrell	5	1 6	50	..	26·02	188	120
D Cambridge (Corporation Ppg. St.)	G. W. Teasdale, Esq., C.E.	5	1 7	28	22·1	22·85	184	110
D CAMBRIDGE (UNIVERSITY FARM)	The Director	5	1 0	78	..	25·21	192	119
D Caxton	Dr. E. P. H. Dudley	5	1 0	155	23·3	25·76	165	134
D Quy Hall	Lt.-Col. J. C. W. Francis	5	0 9	23	22·6	25·69	168	128
Girton (Langton Close)	S. Welsford Pain, Esq.	5	1 0	68	..	24·52	..	..
D Boxworth (Manor House)	The late E. H. Thornhill, Esq.	5	1 0	76	23·4	27·71	208	141
d Oakington	A. H. V. Bloom, Esq.	5	1 3	27	..	24·99	..	122
D Waterbeach (Bottisham Lock)	Gt. Ouse Catchment Bd.	5	2 0	10	..	22·36	175	120
D Cottenham (Bernard House)	Miss K. Bull	5	1 6	30	22·1	28·80	200	140
D Conington (Conington Hall)	R. C. B. Gardner, Esq.	5	1 0	50	24·7	25·05	158	130
D Fordham (London House)	W. V. Bloom, Esq	5	1 0	30	21·4	26·01	173	126
D Bluntisham (Brownshill Staunch)	Gt. Ouse Catchment Bd.	5	4 6	..	..	23·51	156	119
D Stretham Engine	E. Stevens, Esq.	5	1 0	13	21·2	22·69	155	110
Stretham (Orchard House)	Miss Wright	8	4 6	42	22·0	25·28	154	140
D Ely (Roswell Pits)	Gt. Ouse Catchment Bd.	5	2 0	114	..	25·11	191	132
D Littleport (Highfield House)	H. G. Martin, Esq	8	4 0	67	21·3	23·64	160	120
d Chatteris (Aylesby House)	S. W. Ruston, Esq.	5	1 6	31	22·5	24·19	..	..
d March	Major R. G. Clark, C.E.	9	2 0	10	22·8	24·28	..	127
d Upwell (Marmont Priory Lock)	Major R. G. Clark, C.E.	8	1 1	..	20·6	25·78	..	118
3.—NENE. 105 sq. mi.								
D Stanground Sluice	Major R. G. Clark, C.E.	8	1 6	15	21·7	23·97	183	126
d Thorney Toll (Elm Tree Farm)	G. Snushall, Esq.	5	3 0	10	..	24·94	..	..
D Parson Drove (Clows Cross)	W. Kingston, Esq.	8	1 0	6	22·1	24·20	193	119
D Wisbech (Queen's Road)	C. Dann, Esq	5	1 6	10	23·0	24·54	177	121

DIVISION IV—EASTERN COUNTIES.

ESSEX. (Area, 1,532 sq. mi.)

1.—THAMES.—Lea. 132 sq. mi.								
D West Ham (Abbey Mills)	London County Council	8	0 10	15	22·3	22·14	169	135
D Leyton (Sewage Works) (+A)	A. P. Howell, Esq., C.E.	5	0 9	22	23·0	22·60	173	129
D Leytonstone (High Road)	Miss G. Lister	5	1 3	100	24·3	24·29	216	140
D Lea Bridge (Waterworks)	Met. Water Board	5	1 0	23	..	22·54	164	128
D Walthamstow (Ferry Lane)	Met. Water Board	5	1 0	30	22·6	23·55	174	126
D Woodford (Haggar Lane)	Met. Water Board	8	1 0	176	23·0	23·46	159	133
D Buckhurst Hill Reservoir	Met. Water Board	5	1 0	275	..	26·34	182	138
d Buckhurst Hill (Queen's Rd.)	A. J. Mead, Esq.	5	4 5	190	..	25·31	..	..
D Chingford (Crescent Road)	Miss M. L. Mathieson	5	2 9	200	..	25·07	177	135
D Chingford Mill	Met. Water Board	5	1 0	40	..	22·83	168	121
D Loughton (High Beech Res.)	Met. Water Board	8	1 0	376	..	28·28	189	146
D Waltham Abbey (Rammey Marsh)	Met. Water Board	5	1 0	60	..	24·44	169	130
D Waltham Abbey (Pumping Sta.)	Met. Water Board	5	1 8	62	..	24·66	171	132
D Waltham Abbey (Upshire)	Lee Conservancy Catchm. Bd.	5	1 0	270	..	(26·28)	180	144
d Waltham Abbey (Gunpr. Fact.)	The Superintendent	5	1 0	64	..	23·29	..	..
D Hatfield Broad Oak (Barrington)	A. H. Gosling, Esq.	5	0 10	300	..	27·10	205	142
Bishop Stortford (Hassobury)	Major W. S. Gosling	5	0 10	290	..	28·62	177	..
d Elsenham (Gaunts End)	W. E. Greenfield, Esq.	5	1 0	363	24·6	27·91	(172)	(132)
D Stansted (Bentfield Place)	L. D. Gosling, Esq.	5	0 9	300	..	27·32	197	138

DIVISION IV—EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
ESSEX—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—THAMES—Roding, & c. 316 sq. mi.								
D Grays (Sewage Works)	The Manager	8	1 0	7	..	22·36	162	115
d Tilbury (Park View Obsy.)	S. A. Hill-Willis, Esq., C.E.	5	1 0	4	..	22·54	..	115
D Purfleet	Thames Board Mills, Ltd.	8	1 0	4	..	23·53	174	122
D Grays (Stanley Road)	Grays U.D.C.	5	3 3	21	..	22·03	152	116
D Rainham (Riverside Sewage Wks.)	Dagenham U.D.C.	8	1 6	0	19·3	23·31	169	122
D EAST HAM (Central Park)	The Corporation	8	1 0	15	22·3	22·14	172	131
D East Ham Well	Met. Water Board	5	1 0	17	21·6	19·36	171	124
D Corringham (Pembroke Avenue)	H. Mousley, Esq.	5	1 0	67	..	21·31	174	121
D Forest Gate (Monega Road)	C. E. Golding, Esq	5	0 11	20	22·1	21·78	177	137
D Ilford Sewage Works	L. E. J. Reynolds, Esq., C.E.	5	1 0	31	..	21·01	168	121
d Ilford (Loxford Park)	L. E. J. Reynolds, Esq., C.E.	5	1 0	30	..	21·49	(164)	(133)
d Ilford (Goodmayes Park)	L. E. J. Reynolds, Esq., C.E.	5	1 0	38	..	24·71	..	..
d Ilford (Valentines Park)	L. E. J. Reynolds, Esq., C.E.	5	1 0	43	..	21·99	(175)	(129)
d Ilford (Clayhall Park)	L. E. J. Reynolds, Esq., C.E.	5	1 0	109	..	24·30	..	..
d Ilford (Hainault Rec. Ground)	L. E. J. Reynolds, Esq., C.E.	5	1 0	105	..	24·25	..	..
D Leigh (Brick House)	Miss I. Bentall	5	0 10	136	..	22·65	163	129
D South Benfleet (Hillside Road)	H. A. Marshall, Esq	5	1 0	55	..	23·68	165	131
D Vange Pumping Station	Southend Water Works Co.	5	1 0	43	..	21·78	183	123
d Manor Park (City of L'dn. Cemy.)	The Superintendent	5	0 6	50	22·8	21·13	(152)	(124)
d Pitsea Pumping Station	Southend Water Works Co.	5	1 0	28	..	23·38	(167)	(139)
D Horndon (Eastern Sew. Works)	Hornchurch U.D.C.	8	1 6	23	..	22·68	160	127
D Wanstead (Red Bridge)	Met. Water Board	5	1 0	25	..	22·79	169	131
D Havering-atte-Bower (Fernside)	Benjamin Smith, Esq	5	1 0	340	..	28·52	184	147
D Loughton (The Summit)	Dr. F. Stoker	5	0 9	350	..	25·79	192	145
D Theydon Bois (Thrifts Hill)	H. Kemsley, Esq.	5	1 0	245	..	26·69	182	136
D Theydon Bois (Birch Hall)	Mrs. Gerald Buxton	5	1 0	300	..	26·85	174	134
d Theydon Bois (The Vicarage)	Mrs. M. C. Ames	5	0 10	240	..	27·43	..	136
D North Weald (Canes)	H. W. Hart, Esq	5	1 0	250	..	26·35	173	138
3.—CROUCH. 186 sq. mi.								
D SOUTHEND (The Cliffs)	The Corporation (Pier Master)	8	1 0	90	19·7	21·27	177	123
D Southend (S'thchurch Boulevard)	H. J. G. Ralph, Esq	8	1 0	66	..	21·26	166	122
D Southend (Waterworks)	Southend Water Works Co.	8	1 0	112	21·1	21·48	177	123
D Westcliff-on-Sea	Messrs. Boatman, F.S.M.C.	5	1 0	100	..	22·29	177	123
D SHOEBURYNESS	Officer-in-Charge	5	1 0	11	19·8	21·10	168	122
D Leigh Reservoirs	Southend Water Works Co.	5	1 0	177	..	23·77	172	130
D Eastwood Pumping Station	Southend Water Works Co.	8	1 0	50	..	22·82	186	128
D Thundersley Reservoir	Southend Water Works Co.	5	1 0	277	..	23·26	180	132
w Nevendon Pumping Station	Southend Water Works Co.	5	1 0	43	..	21·96	..	..
D Billericay (Service Tank)	Southend Water Works Co.	5	1 0	310	..	21·48	176	135
D Billericay (Ramsden Hall)	T. W. Bacon, Esq	5	0 9	260	..	24·50	156	138
d Wickford (Runwell Hall)	Miss A. Kemble	5	0 7	75	*24·2*	24·20	..	134
D Southminster (Dudswell)	Mrs. H. G. Owen	5	1 0	60	..	24·10	168	127
d Southminster (The New Moor)	P. C. Attenborough, Esq.	5	1 6	72	..	21·93	..	115
D Bradwell-on-Sea (Bradwell Hall)	H. D. Chillingworth, Esq.	5	4 0	27	20·7	21·57	163	126
4.—BLACKWATER. 425 sq. mi.								
D Ingatestone (Trueloves)	W. Ransom, Esq	5	1 0	249	..	26·12	177	132
D Ingatestone (Fryerning)	A. E. Christy, Esq	5	1 0	290	..	25·78	183	127
Margaretting (Furze Hill)	W. A. Gray, Esq.	5	1 3	200	..	26·77	190	136
d East Hanningfield (Moor House)	F. Symons, Esq.	5	1 6	200	..	24·51	(170)	(136)
D Chelmsford (Longstomps Res.)	The Water Engineer	5	1 0	230	..	25·45	201	134
D CHELMSFORD (Agr. Stn.)	The Prin. E. Anglia Inst. Ag.	5	1 0	193	..	25·63	171	133
D MALDON	Town Clerk	5	1 0	14	..	22·17	165	122
D CHELMSFORD (County Gardens)	The Prin. E.Anglian Inst. Ag.	5	1 3	134	22·3	24·28	183	135
D Chelmsford (Little Baddow)	A. L. Woodhouse, Esq.	5	1 0	180	..	24·30	152	132
D Langford (Treatment Plant)	Southend Water Wks. Co.	8	1 5	40	..	23·02	185	127
D Witham (Wickham Hall)	D. B. Smith, Esq	5	0 10	60	..	23·78	159	128
d Wickham Bishops	Mrs. Fowler	5	1 4	250	..	23·38	..	..

DIVISION IV—EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
ESSEX—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—BLACKWATER—(*con.*)								
D Tolleshunt D'arcy (Oxley Hill)	H. Campkin, Esq.	5	0 9	100	..	23·37	179	138
D Pleshey Vicarage	Rev. C. H. B. Woodd, M.A.	8	1 3	200	..	25·25	198	134
D Terling Place Gdns.	B. May, Esq.	5	1 2	100	..	22·22	174	129
Witham (Faulkbourne Hall)	Miss C. L. Parker	5	0 8	100	..	22·96	169	127
D Little Leighs (Lavender Leez)	W. C. Neild, Esq	5	1 2	192	..	24·90	169	135
D Kelvedon (Messing Street)	Mrs. Calver	5	2 1	120	..	25·12	178	142
D Kelvedon (Lawn House)	F. Randolph-Symmons, Esq.	5	1 0	96	..	24·02	168	131
Rivenhall (Park Gate Farm)	C. T. Richardson, Esq.	5	1 0	149	..	23·48	..	..
D Felsted School	E. H. Lockwood, Esq.	5	1 0	248	*22·9*	(23·02)	152	122
D Little Dunmow (Throws)	Mrs. D. Hasler	5	0 9	276	..	24·95	187	137
D Great Dunmow	Messrs. Hasler & Co., Ltd.	5	1 0	200	..	24·94	187	135
D Rayne (Staneway)	Mrs. Burt	5	1 6	247	..	27·38	178	131
D Great Bardfield (South Lodge)	A. W. Brunwin, Esq.	5	1 0	250	..	24·62	186	133
D Saffron Walden (Pounce Hill)	S. G. Wall, Esq.	5	1 0	390	..	28·22	222	132
5.—COLNE & C. 283 sq. mi.								
d St. Osyth (Wigborough Wick)	P. B. Smith, Esq.	5	1 6	10	..	21·73	..	122
D CLACTON-ON-SEA (Hospital Site)	The Town Clerk	8	1 0	53	20·5	24·13	177	127
d Great Clacton (Clay Hall)	Miss E. A. Smith	5	1 0	45	..	22·55	..	..
D Little Holland (The Sluice House)	Essex Rivers Cathmt. Bd.	5	0 10	5	..	24·40	169	130
D Tendring	C. N. Daniels, Esq.	5	1 0	80	..	27·16	153	129
D Colchester (Hythe Gas Works)	Colchester Gas Co.	8	0 10	12	..	22·67	..	124
D Colchester (Castle Park)	H. Collins, Esq., C.E.	8	1 2	87	..	24·43	176	126
D Colchester (Castle Park) *new g*	H. Collins, Esq., C.E.	8	1 2	87	..	23·72	176	126
D Colchester (Waterworks) (+A)	H. Collins, Esq., C. E.	5	1 5	37	..	22·13	178	119
D Lexden (Cherrywood)	J. W. Partridge, Esq.	5	1 0	120	..	24·56	163	123
D Lexden (Hill House, S. No. 2)	S. F. Hurnard, Esq.	5	1 0	90	..	24·02	166	122
D Great Bromley (Broughton)	W. A. Roberts, Esq.	5	1 0	115	..	24·42	162	127
d EARLS COLNE (Grammar School)	The Headmaster	5	1 0	168	..	(24·26)	(173)	(128)
Halstead (Attwoods)	R. E. Vaizey, Esq.	5	1 6	200	..	27·57	196	137
D HALSTEAD (The Brewery)	F. N. Adams. Esq.	5	1 0	140	23·0	26·57	178	132
D Sible Hedingham (White House)	T. Elrington, Esq.	5	1 0	150	..	26·46	186	137
Gt. Maplestead (Monk's Hall)	Miss J. Miller	5	1 0	200	23·5	22·96	..	..
D Great Yeldham Hall	G. A. Goodchild, Esq.	5	1 6	200	23·1	24·34	188	141
6.—STOUR. 110 sq. mi.								
D DOVERCOURT	Borough Surveyor, Harwich	5	1 0	47	21·1	23·31	142	111
D Mistley (The Maltings)	Messrs. Brooks (Mistley) Ltd.	8	1 0	25	22·2	21·14	159	109
Nayland (Boxted)	Carter and Blewitt, Ltd.	5	1 0	154	..	23·94	174	129
D Langham Waterworks *Standard*	S. Essex Waterworks Co.	5	1 0	44	..	22·42	181	126
7.—OUSE. 80 sq. mi.								
D Widdington Rectory	Rev. Jas. W. Court	5	1 6	340	..	27·58	166	124
D Saffron Walden (Debden Road)	A. Marsh Esq.	5	..	305	..	26·13	180	132
D Great Chesterford Mills	E. H. King, Esq.	5	1 0	130	..	28·09	185	129
SUFFOLK. (Area, 1,489 sq. mi.)								
1.—STOUR. 271 sq. mi.								
D East Bergholt (Ackworth Ho.)	A. Harwood, Esq.	8	1 0	145	*22·0*	23·69	201	120
D Capel St. Mary School	Bernard B. Taylor, Esq.	5	1 6	156	24·2	26·42	188	135
D Assington Hall	Mr. E. J. Ottaway	5	1 0	200	..	23·66	184	132
D Great Cornard (Brook House)	Lt.-Comdr. I. R. Clover	5	1 0	77	..	22·62	184	124
D Sudbury (Friars St.)	E. Ransom, Esq.	5	1 6	93	23·2	24·34	200	128
D Sudbury (Waterworks Stn.)	The Borough Surveyor.	5	1 0	131	..	25·24	170	125
D Hadleigh (Penlands)	E. A. Lee, Esq.	5	1 0	185	24·4	27·81	198	140
D Waldringfield (Holbrook Hall)	Mrs. F. Ramsay	5	1 1	185	23·6	27·98	168	150
D Clare (Nethergate House)	Mrs. J. M. Bond	5	1 0	120	*23·0*	23·72	161	112
D Long Melford (Westgate Ho.)	E. F. Colvile, Esq.	5	1 0	146	..	26·02	190	134
D CHADACRE	The Principal	5	1 0	250	25·1	28·09	186	135

DIVISION IV—EASTERN COUNTIES—(*con.*).

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SUFFOLK—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—ORWELL. 166 sq. mi.								
D Trimley (The Avenue)	R. L. T. Clarkson, Esq.	5	1 0	72	..	27·69	192	135
D COPDOCK (+A)	F. L. Bland, Esq.	8	1 0	164	23·9	25·34	185	126
D Ipswich (Museum)	F. M. Cullum, Esq.	8	1 0	72	*23·5*	23·58	187	121
D Ipswich (Henley Rd.)	Percy Turner, Esq.	8	1 6	150	*23·6*	23·87	189	124
d Elmsett (Laurel Cottage)	A. E. Ladbrook, Esq.	5	3 0	210	*23·8*	27·07	..	126
d Nettlestead (High Hall)	Mrs. A. S. P. White Cooper	5	1 6	236	*23·4*	27·23	..	132
d Coddenham (Shrubland Park)	Mr. R. Norfolk	5	1 6	162	*24·2*	28·74	..	128
D Haughley (Haughley House)	Mrs. S. H. Creagh	5	1 0	180	..	23·50	170	120
D Haughley (Pine Lodge)	A. A. Geater, Esq.	5	1 6	131	..	25·21	200	136
3.—DEBEN & C. 466 sq. mi.								
D Waldringfield	Major B. R. M. Glossop	8	1 0	70	*23·8*	28·05	199	131
D Woodbridge Abbey	Col. R. J. Carthew	8	1 0	46	*24·3*	28·26	173	125
D Orford (The Gables)	Miss E. A. Rope	5	1 1	30	*23·9*	24·68	184	129
Melton (Greylands)	Miss Jervis-White-Jervis	5	1 6	50	*24·3*	29·43	176	139
D Melton (St. Audrey's Hospital)	The Clerk and Steward	8	1 3	90	*23·8*	27·86	172	128
D Henley Hall	Mrs. Gascoigne	5	2 0	150	*24·5*	29·57	198	149
D Rendlesham Hall	Mr. H. Long	5	1 6	88	23·1	26·35	152	123
D Campsea Ashe (High House)	Viscount Ullswater, G.C.B.	8	1 0	60	23·0	26·42	169	132
Charsfield (Red House)	Hugh P. Youngman, Esq.	5	1 9	150	*24·1*	27·01	..	..
D Blaxhall	R. H. Sherwood, Esq.	5	1 0	..	*23·4*	28·05	193	138
D Snape (Wadd House)	Capt. E. H. Buxton	5	1 0	25	*23·5*	26·94	184	137
d Saxmundham	Lt.-Col. C. R. Fryer	5	1 7	50	..	25·32	..	..
D Leiston (Lower Abbey)	Miss M. K. Rope	5	1 0	30	*23·0*	27·65	170	134
D Heveningham Hall	Hon. A. Vanneck	5	0 7	100	*25·5*	31·02	166	148
D Southwold	E. G. Naunton Esq.	8	1 0	−1	..	25·41	163	125
D Halesworth (Highfield)	Admiral F. E. Bruen, C.B.	5	0 8	90	..	28·94	201	140
D Southwold (Quay House)	Miss P. Corns	5	1 1	30	*22·7*	26·88	175	121
D Halesworth Rectory	Rev. H. C. Newbery	5	1 0	50	*25·1*	28·18	193	142
Wangford	F. W. Baker, Esq.	5	1 0	11	..	28·49	..	..
D Wrentham (Sotterley Hall)	M. E. St. J. Barne, Esq.	5	0 10	40	*24·5*	26·84	187	127
4.—YARE & C. 208 sq. mi.								
D Horham Rectory	Rev. J. E. Soden	5	1 3	175	*26·7*	29·69	196	156
D BUNGAY (FLIXTON HALL)	Sir Shafto Adair, Bart	5	1 0	79	*23·4*	25·79	160	139
Bungay (Bridge House)	R. Aylmer-Coates, Esq.	5	1 0	22	..	25·42	..	..
D LOWESTOFT (Secondary School)	The Town Clerk	5	1 0	82	23·5	23·38	176	119
D Lowestoft (Briar Clyffe)	H. Hollingsworth, Esq.	5	0 7	..	*23·6*	23·69	175	117
d Blundeston House	L. J. Peto, Esq.	8	1 1	30	*24·5*	23·57	..	..
D Herringfleet House	G. H. Wyllys, Esq.	5	1 0	55	*25·2*	26·11	199	141
D Lound Pumping Station	Lowestoft Water & Gas Co.	8	1 0	33	*24·0*	23·65	171	128
D Hopton (Hopton House)	C. S. Orde, Esq.	5	1 0	..	*23·8*	24·81	173	127
D Fritton Warren	Maj.-Gen. R. Upcher, D.S.O.	5	1 0	42	*25·9*	25·28	164	133
D Fritton Hall	Major A. R. Buxton	8	0 11	30	*24·7*	24·53	185	134
D Yarmouth (Burgh Hall)	H. P. Frederick, Esq.	5	1 0	40	*24·9*	29·29	185	131
5.—OUSE. 378 sq. mi.								
d Newmarket (Sewage Outfall)	W. H. Elev, Esq., C.E.	5	1 0	81	*23·2*	27·55	..	123
D Bury St. Edmunds (Westley Hall)	Mrs. Burrell	5	1 0	226	25·1	28·61	176	152
d Bury St. Edmunds (Barton Lodge)	S. Cox, Esq.	5	0 7	250	..	27·60	..	142
d Hengrave Hall	Sir John Wood, Bart.	5	1 5	85	*22·9*	26·57	..	159
D Bury St. Edmunds (Troston Hall)	F. S. Beauford, Esq.	5	1 0	130	*23·0*	27·97	185	143
d Mildenhall	H. R. W. Forster, Esq.	5	1 3	50	*21·6*	24·89	..	..
D MILDENHALL Aerodrome	(+A) Meteorological Officer	.	1 0	19	..	26·69	184	120
D Isleham Lock	Gt. Ouse Catchment Bd.	5	..	10	..	24·09	176	130
Barningham (The Beeches)	Miss A. K. Lingwood	5	0 9	136	*22·6*	24·49	..	..
D Elveden Hall	The Earl of Iveagh, C.B.	5	1 0	130	*23·9*	25·53	208	144

DIVISION IV—EASTERN COUNTIES—(*con.*).

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	NORFOLK. (Area, 2,041 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—YARE. 658 sq. mi.								
D	Diss (The Cedars)	Dr. H. M. Spiers	5	0 8	108	..	23·16	164	130
D	Diss (Roydon Hall)	R. S. Copeman, Esq.*	5	1 0	150	..	25·01	192	134
D	Pulham St. Mary (Brook House)	E. Beevor, Esq.	5	1 0	120	..	25·23	190	135
D	Pulham St. Mary (Hill House)	W. G. Rutter, Esq.	5	1 0	120	24·7	27·24	233	158
d	Denton Lodge	Lt.-Col. C. A. Kemball, Esq.	5	0 7	90	..	(26·06)	(185)	(141)
D	Ditchingham	W. G. Rutter, Esq.	5	1 0	25	23·9	27·98	220	145
D	Ashwellthorpe(Tacolneston Hall)	C. H. Walter, Esq.	.	..	..	..	26·82	198	149
d	Beccles (Raveningham Hall)	N. H. Bacon, Esq.	5	1 6	60	24·6	25·25	..	136
D	Hapton Parsonage	Lt.-Col. H. C. Copeman	5	1 0	120	..	26·27	200	148
d	Spooner Row (School)	Owen Potter, Esq.	5	1 0	160	..	25·14	..	139
D	Lodden (Chedgrave Manor)	C. E. Dupuis, Esq.	5	1 6	17	24·2	24·31	188	127
D	Wymondham (Morley School)	T. E. Ormond, Esq	5	1 0	157	25·3	26·26	207	142
D	Wymondham	J. B. Pomeroy, Esq.	5	1 3	118	..	26·38	190	145
D	Hingham	F. B. Law, Esq.	5	1 0	193	25·1	24·33	179	133
D	Ketteringham	Lt.-Col. R. F. Boileau	5	1 3	135	..	26·63	218	138
D	Keswick Old Hall	E. Knight, Esq.*	5	1 0	90	26·4	26·69	211	148
D	GORLESTON (C. G. Station)	Station Officer (M.O.)	8	1 0	5	24·5	24·80	169	127
D	Norwich (Carrow Abbey Gdns.)	The Misses Colman	5	1 0	41	25·2	26·91	186	137
D	NORWICH (Southwell Lodge)	J. H. Willis, Esq.	5	1 0	110	25·9	25·92	198	139
D	Norwich (Heigham Cemetery)	L. Alan Jewell, Esq.	5	1 2	93	25·5	25·83	194	137
D	Thorpe St. Andrew (Pine Banks)	H. J. Jarrold, Esq.	5	1 7	140	..	26·06	182	127
D	Norwich (Catton Hall)	D. G. Buxton, Esq.	5	1 0	100	..	24·11	191	126
D	Sprowston (Oak Lodge)	A. Cozens Hardy, Esq.*	5	1 0	100	25·2	25·86	206	136
D	Wendling (Astrantia)	Mrs. A. H. Turner	5	1 7	170	..	29·42	210	138
D	Taverham (Deighton Hills)	T. B. Norgate, Esq.	5	1 0	100	..	26·24	181	140
D	Swanton Morley Rectory	Rev. R. N. Usher	5	1 0	105	24·3	27·80	172	135
D	Bylaugh Park	Mrs. Rice	5	1 0	..	24·8	28·24	195	140
D	Swanington (Heath House)	P. Norgate, Esq.	5	1 3	101	25·6	28·54	203	144
d	East Bilney Hall	K. W. Hervey, Esq.*	5	1 0	140	26·6	28·51	..	131
D	Cawston (The Poplars)	H. A. Wells, Esq.	5	0 8	148	26·6	29·58	196	139
	2.—YARE—Bure & c. 368 sq. mi.								
D	Acle	Miss Davie*	5	0 6	51	25·1	27·57	203	132
D	Norwich (SPROWSTON, Church Farm)	Director, Norfolk Ag. Stn.	5	1 0	93	..	25·03	198	130
D	Yarmouth (Ormesby St. Michael)	Gt. Yarmouth W.W. Co.	8	1 0	22	26·2	24·70	200	127
D	Yarmouth (Scratby)	Harvey Palmer, Esq.	5	1 0	70	..	24·74	179	123
D	Coltishall Hall	Rev. H. Rogers.	5	1 6	25	25·5	27·59	181	140
D	Wroxham (Hoveton House)	Mrs. I. C. Blofeld	5	1 0	100	..	28·48	202	135
D	Buxton (Sunnymead)	W. S. Tillett, Esq.	8	1 0	50	..	27·05	206	144
d	Hevingham (Rippon Hall)	Rev. A. F. Marsham*	5	0 7	90	26·4	27·05	..	138
D	Aylsham (Woodgate Ho.)	Lt. Col. P. W. Purdy*	5	1 0	100	..	29·01	188	142
D	Worstead (Lyngate Cottage) (+A)	Miss F. E. Hooper	8	1 6	50	26·5	26·92	182	135
D	Aylsham (Wilderness)	J. Peed, Esq.	5	1 0	80	..	30·08	177	145
D	Hindolveston (School House)	The Headmaster	5	1 0	300	..	33·05	206	161
D	North Walsham (The Paston Sch.)	Major P. Pickford	5	1 0	100	..	27·77	194	134
D	North Walsham (Worstead Lo.)	F. J. Frostick, Esq.	5	1 2	120	..	28·13	189	130
	Mundesley	R. C. Gold, Esq.	5	1 0	150	..	26·88	172	130
D	Cromer (Northrepps Hall)	Lt.-Col. C. R. Gurney	5	1 2	226	26·7	26·68	178	134
D	Hanworth Rectory	Rev. Wilson W. White	5	0 10	95	..	27·32	196	137
	3.—STIFFKEYS & C. 290 sq. mi.								
D	Sandringham House Gardens	Mr. C. H. Cook	5	0 9	121	27·0	30·45	183	144
D	Thorpland Hall	Miss C. Lee Warner	5	1 0	157	..	32·81	215	148
D	Syderstone (The Rectory)	Rev. B. D. Reed	5	1 0	210	..	28·66	188	137
D	Snettisham (The Hollies)	Dr. P. G. E. Jolley	5	0 7	47	..	26·57	188	133
D	Melton Constable Park	The Head Gardener	8	0 11	287	..	32·78	166	140
D	CROMER (Howards Hill)	Clerk to the U.D.C.	8	1 0	178	23·8	25·23	188	123
d	West Runton	Miss J. Vernon-Harcourt	5	1 5	113	..	27·06	..	125

* *Per* Norfolk Rainfall Organisation.

DIVISION IV—EASTERN COUNTIES—(*con.*).

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NORFOLK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—STIFFKEYS & C.—(*con.*)								
d Langham Episcopi	Lt.-Col. F. S. Butcher*	5	0 6	139	23·2	(30·41)	(192)	(137)
D Upper Sheringham (The Gables)	H. E. S. Upcher, Esq.*	.	..	..	..	29·68	176	139
D Sheringham Hall	Miss E. Upcher	5	0 9	136	23·6	28·63	179	129
D Sheringham (Skelding)	F. Hall Smith, Esq.	5	1 0	70	..	26·34	183	128
Sheringham (Sheringham Ho.).	Rev. E. C. S. Upcher	5	1 6	150	..	25·86	175	131
d Wells (Holkham Hall)	Earl of Leicester, G.C.V.O..	5	0 3	43	23·1	29·75	..	..
D Hunstanton (Le Strange Arms H'l.)	Capt. C. E. Gray	5	0 10	20	..	25·34	175	131
D§Hunstanton	The Advancement Assn.	5	1 0	105	..	26·04	188	133
4.—OUSE & C. 709 sq. mi.								
D Garboldisham Manor	Major E. W. Denny, D.S.O..	8	1 0	70	23·2	24·92	206	141
D Thetford (Kilverstone Hall)	Baron Fisher of Kilverstone	8	1 0	70	21·7	26·63	197	137
D Thetford Waterworks	C. W. Holmes, Esq.	8	1 0	165	23·8	25·24	215	149
d Attleborough (Quidenham Hall)	Earl of Albemarle	5	1 0	100	24·1	25·48	..	128
D Thetford (Lynford Nursery)	Forestry Commission	5	1 0	99	..	26·86	206	144
D Old Buckenham (The Grange)	W. D. Haughton, Esq.	5	1 1	180	..	26·56	189	142
D Hargham Hall	Sir H. R. Beevor, Bart. M.D.	5	0 5	116	24·9	25·10	196	120
D Methwold (Duchy of Lancs. Sch.)	The Headmaster	5	0 9	50	..	27·68	186	132
d Attleborough (Breccles Hall)	J. E. Fitt, Esq.	5	1 0	..	..	23·61	..	..
D Caston (Flaxmoor) *new g.*	Lt.-Col. T. S. N. Hardinge..	5	1 0	150	..	24·00	192	134
Watton (Merton Hall)	Sir C. S. B. Rensham	5	1 0	153	..	26·80	182	140
D Watton	E. H. Codling, Esq.	5	1 0	200	25·7	27·68	190	139
D Denver Sluice	Gt. Ouse Catchment Bd.	5	1 7	10	..	27·12	230	144
D Great Cressingham	J. W. Montgomery, Esq.	5	1 2	90	..	28·33	190	132
D Denver (Crow Hall)	C. A. F. Wingfield, Esq.	5	0 6	100	..	24·66	173	126
D Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1 6	..	..	25·74	177	131
d Outwell (Well Creek Sluice)	Major R. G. Clark, C.E.	8	2 6	16	22·0	23·59	..	115
d Swaffham (The Villa)	Mr. J. H. Mack	5	0 9	246	26·3	31·32	(179)	(157)
d Swaffham	Messrs. Vynne & Everett, Ltd.	5	2 7	210	..	30·78	..	..
D Little Dunham (Dunham Cott.)	Miss S. Blamire	5	1 0	319	27·2	31·04	174	153
D Kings Lynn (Narford)	G. F. Attwood, Esq.	5	1 0	53	..	28·58	162	125
D Wiggenhall (St. Germans Sluice)	Major R. G. Clark, C.E.	8	1 6	9	23·1	27·26	177	146
d East Winch (Holland House)	J. C. Cottam, Esq.	5	1 6	55	23·3	29·17	(200)	(139)
D Terrington St. Clement (C. Sch.)	The Headmaster	5	1 0	15	..	27·34	198	128
D Gayton Waterworks	J. C. Matthew, Esq., C.E.	5	1 0	131	..	30·00	193	132
d King's Lynn (Manure Works)	J. S. Brown, Esq.	5	1 2	0	..	24·79?	..	..
D Grimston (School House)	J. R. Steward, Esq.	5	1 2	62	..	31·21	218	138
5.—NENE. 16 sq. mi.								
D Emneth (Inglethorpe Manor)	Miss R. Bland	5	1 0	6	22·5	24·39	171	119

DIVISION V—SOUTH-WESTERN COUNTIES.

WILTSHIRE. (Area, 1,370 sq. mi.)								
1.—LOWER AVON. 383 sq. mi.								
D Warminster (Sturford Mead)	Rt. Hon. Visc. Weymouth..	5	1 3	..	..	40·18	195	159
D Westbury (Wellhead)	The Waterworks Engineer..	5	1 0	321	..	32·15	193	145
D Westbury (Braemar)	Mrs. F. D. Richards	5	1 0	250	..	33·58	186	150
D Market Lavington (Old House)	Miss A. Pleydell Bouverie..	5	0 9	290	29·0	30·75	181	153
Gt. Cheverell (Timoleague)	Rev. H. S. Travers	5	0 6	360	..	30·59	..	..
D Easterton (Kestrals)	R. Lake, Esq.	5	1 0	370	..	30·17	181	139
D Trowbridge (Town Hall)	The Engineer	8	1 2	131	..	29·38	188	136
D Bradford on Avon (Ilford Manor)	Major J. Michael Peto	5	1 1	101	..	32·83	185	156
D Bradford on Avon (Winsley Manor)	The late E. W. Knatchbull, Esq.	5	0 8	400	29·9	35·59	183	148
D Bradford on Avon (Manvers Ho.)	Dr. C. E. S. Flemming	5	1 3	130	29·9	33·90	190	158
D Seend (Cleeve House) (R)	Mrs. Heward Bell	8	1 0	160	27·5	29·51	198	143
D Holt (The Retreat)	A. T. M. Beaven, Esq.	5	1 0	144	30·3	31·58	189	148
d Seend (Ferrum Towers)	Mrs. A. G. Haigh	8	1 3	150	..	32·27	..	144
d Devizes (Wilts Co. Mental Hosp.)	Dr. S. J. Cole	8	2 5	395	..	30·90	..	134
D Devizes (Broadleas)	W. H. L. Ewart, Esq.	5	1 7	400	..	29·43	193	147
D Devizes (Hursteed)	T. H. Thornely, Esq.	5	1 2	390	..	29·67	191	139
D Rowdeford Gardens	Mrs. R. E. S. Thomas	5	1 0	..	..	28·07	168	134

* Per Norfolk Rainfall Organisation. § Turf wall set up Nov. 1931.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WILTSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—LOWER AVON—(*con.*)								
D Great Chalfield	Major R. F. Fuller	5	1 2	165	28·6	30·75	185	150
D Little Chalfield	Miss C. E. Baker	5	1 0	180	..	29·92	217	151
D Melksham (Beechfield)	Lt.-Col. Sir G. R. Blake	5	2 7	129	..	30·19	192	150
D Bowood House	The Marquess of Lansdowne, K.G., P.C.	5	0 4	306	..	30·52	175	143
D Calne (Castle Walk)	P. W. Phillips, Esq.	5	1 0	..	..	30·65	165	151
D Calne (Compton Bassett Gdns.)	Mr. R. Devening	5	0 10	384	30·7	30·44	168	143
D Chippenham (Monkton Park)	Lord Methuen	5	1 7	200	..	29·45	181	139
Chippenham (Kington Langley)	Mrs. Charles Garnett	8	1 0	172	30·3	30·47	..	..
D Grittleton	Lt.-Col. Sir A. D. Neeld, Bt., D.L., C.B.	5	1 0	370	..	32·82	175	159
D Wroughton (Basset Down Ho.)	Mrs. Arnold Forster	5	1 0	500	29·8	30·47	193	146
D Tockenham Manor	Major G. J. Buxton	5	1 0	400	..	29·39	182	140
w Luckington Court	Col. Sir E. Johnson-Ferguson, Bt.	5	0 8	400	30·2	30·25	..	..
D Sherston School	The Headmaster	5	1 0	375	..	31·65	183	144
D Malmesbury (Lea House)	Rev. H. Milnes-Walker	5	1 0	260	..	30·79	172	140
d Malmesbury (Easton Grey)	Mr. P. A. Day	5	1 0	355	31·6	(31·51)	(184)	(151)
2.—STOUR. 33 sq. mi.								
D Mere (Charnage)	A. R. White, Esq	5	1 6	426	33·8	31·11	208	156
D Stourhead	Sir H. H. A. Hoare, Bart.	5	1 0	583	38·1	41·35	202	158
D Kilmington Rectory	Rev. H. G. Fox Strangways*	5	1 0	710	39·8	45·94	229	172
3.—EAST AVON. 554 sq. mi.								
D Broad Chalk	Mrs. H. N. Burroughes	5	4 1	362	..	36·34	196	150
D Longford Castle Gardens	The Earl of Radnor	5	1 0	139	31·4	36·37	237	144
D Salisbury (Harnham)	E. F. Taunton, Esq., Junr.	5	1 0	200	..	34·86	209	154
D Salisbury (Folkestone Rd)	M. A. Chaplin, Esq.	5	0 8	180	..	32·55	181	141
D Fonthill House Gardens	Hugh Morrison, Esq.	5	1 0	400	37·8	40·43	190	158
D Salisbury (Sewage wks.)	(+A) S. R. Little, Esq., C.E.	8	1 0	147	..	29·90	180	134
D Salisbury (Manor Road)	Miss L. C. D. Awdry	5	1 0	250	29·2	31·47	201	151
D Salisbury (Atherton House)	Wilfrid Fletcher, Esq.	5	1 0	250	30·4	32·33	200	141
d Salisbury (Newlands)	Dr. T. W. Newton Dunn	5	1 0	200	..	31·90	(172)	(135)
D Wilton (Stone Lodge)	Major B. W. Parker	5	1 6	175	..	33·11	181	149
D Stratford-sub-Castle (Manor Ho.)	Miss F. Carpenter	5	0 9	168	28·3	32·29	189	145
D Woodford Vicarage	Rev. M. I. Holme	5	0 10	200	..	34·31	230	152
D PORTON (W.D. Exp'l. Stn.) (+A)	Meteorological Officer	5	0 11	363	26·5	29·42	177	129
D Steeple Langford (Woodstock)	Miss A. J. Powell	5	1 0	257	..	32·84	196	149
d Maiden Bradley House	The Duke of Somerset	5	1 0	620	38·4	43·03	..	155
d Maiden Bradley	R. Luff, Esq.*	4	3 0	600	..	(42·01)	..	163
D AMESBURY (BOSCOMBE DOWN Aero.) (+A)	Meteorological Officer	8	1 0	417	..	29·71	181	136
D Heytesbury	Dr. Hammond T. Hinton	5	1 0	300	31·7	38·63	188	156
D Warminster (Henford)	Mrs. Robinson	5	1 8	400	..	40·22	198	167
D Warminster (The Croft)	Rev. T. Lloyd Herbert	5	0 7	420	..	34·76	196	145
D Warminster (St. John's Lodge)	D. Vesey, Esq.	5	1 6	400	..	35·34	170	145
D LARKHILL (School of Artillery) (+A)	Meteorological Officer	5	1 0	440	25·5	28·39	182	142
D Warminster (Smallbrook Ho.)	G. E. Vicary, Esq.	5	0 8	420	..	36·08	193	146
d Orcheston St. Mary	Mrs. Smith	5	0 9	285	..	32·37	..	126
D Tilshead (The Manor House)	C. A. Kempson, Esq.	5	1 0	355	..	30·79	180	142
d Woodborough (The Manor House)	Miss L. Soames	5	1 0	350	..	28·30	..	128
d Marlborough (Wilcot Manor)	Lady Ernest St. Maur	5	1 0	400	..	30·16	..	132
D Bishops Cannings	A. J. Combes, Esq.	5	1 0	446	30·3	33·43	196	160
4.—TEST. 77 sq. mi.								
D Landford (Northlands)	Cedric R. Boult, Esq.	5	1 0	180	30·7	33·80	184	147
D West Grimstead	W. W. Wadsworth, Esq.	5	0 9	250	..	33·96	177	147
D Ludgershall (Conholt Park)	E. A. Wigan, Esq.	8	1 0	800	33·9	36·27	201	156
5.—THAMES—Kennet. 169 sq. mi.								
D Bishops Cannings (Shepherds Shore)	Devizes Gas & Water Dept.	8	2 1	564	..	30·60	191	141
D MARLBOROUGH College	The Headmaster	5	1 3	424	31·1	33·38	192	148
D Aldbourne (Manor House)	Capt. W. Brown, J.P.	5	1 0	435	..	31·30	204	150
d Aldbourne (Upham House)	Lady Currie	5	1 2	881	30·3	32·37	..	131

* *Per* Mid-Wessex Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Rain-gauge: Diam.	Height of Rim above Ground. ft.	Height of Rim above Ground. in.	Height of Ground above Sea Level. ft.	Average Rainfall. in.	1936. Rainfall. in.	Days with ·01 in. or more.	Days with ·04 in. or more.
WILTSHIRE—(*con.*)		*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
6.—THAMES—Cole & c. 154 sq. mi.									
D Chiseldon (The Manor House)	Mrs. Waugh	5	1	1	550	..	29·61	186	146
D Wroughton (Swindon W.W.)	J. B. L. Thompson, Esq., C.E.	5	1	2	448	..	27·72	185	141
D Chiseldon (Hodson House)	A. Ashford, Esq.	5	0	9	560	29·0	28·91	185	143
D Swindon (Volta Road)	H. Cook, Esq.	5	1	0	330	..	26·62	189	147
D Swindon (Town Gardens)	J. B. L. Thompson, Esq., C.E.	5	1	4	471	27·5	25·84	185	139
D Purton (Restrop House)	Col. A. Canning	5	1	3	444	27·7	27·52	167	137
d Swindon (Blunsdon House)	Major F. W. Jagger	5	1	0	450	..	28·65	(175)	(140)
d Fairford (Marston Hill)	Maj. R. Hamilton Stubber,	5	0	10	350	..	29·13	..	147
DORSETSHIRE. (Area, 983 sq. mi.)									
1.—PARRETT. 61 sq. mi.									
D Evershott (Melbury House)	Mr. W. G. Lee	5	2	0	460	38·7	43·24	161	137
D Chedington Court	Sir Henry Peto, Bart.	8	1	0	605	38·5	38·21	182	140
D Sherborne Castle	Mr. Edwin Hill	5	1	0	195	32·5	34·39	183	148
D Sherborne (Crendle Court)	A. Tyrwhitt Drake, Esq.	5	0	9	380	..	35·54	170	151
D Sherborne (Barton Gardens)	C. E. Bean, Esq., C.E.	8	1	0	285	..	32·18	177	142
Sherborne (Castleton)	Reading T. Grantham, Esq.	5	1	6	200	31·8	35·12	..	..
2.—AXE. 25 sq. mi.									
D Broadwindsor (Blackdown Ho.)	Lt.-Col. E. Harris-St. John	5	1	0	600	..	(45·64)	206	159
D Thorncombe (Greenhill)	Mrs. A. D. Wilde	5	0	9	575	..	46·10	185	158
D Forde Abbey	G. D. Roper, Esq.	5	0	10	200	37·7	42·49	183	149
3.—FROME & C. 501 sq. mi.									
D Portland Bill (Lighthouse)	Lightkeeper (M.O.)	8	1	0	32	25·2	28·41	168	133
D Easton (Tophill School)	The Headmaster	5	0	10	280	..	28·22	176	133
d Portland (H.M. Naval Depot)	The Works Officer	8	1	0	25	..	30·01	(172)	(137)
D Weymouth (Lansdowne Villa)	Paym.-Capt. T. Seaman, R.N.	5	7	0	100	..	27·97	168	125
D Weymouth (Westham) (+A)	The Town Clerk	5	1	0	16	28·0	27·56	167	117
D Weymouth (Springfield)	Major J. H. C. Devenish	5	1	3	96	27·9	27·69	184	123
D Swanage (Grammar School)	The Headmaster	5	1	0	90	..	32·68	181	136
D Chickerell (Montevideo)	Mrs. N. M. Richardson, O.B.E.	5	1	0	100	28·9	28·42	181	125
D Steeple (Manor House)	Major F. H. Swann	5	0	8	231	34·8	35·31	198	163
D Creech Grange	J. W. G. Bond, Esq., C.B.	5	1	0	228	37·1	39·12	202	156
D Langton Herring (Higher Farm)	E. A. Sparks, Esq.	5	1	0	170	..	30·50	179	138
D Winfrith Rectory	Rev. C. S. Pugh	5	3	0	200	..	34·90	174	135
D Abbotsbury (West Street)	J. C. P. White, Esq.	5	1	6	147	29·2	31·88	177	147
D Abbotsbury (Cotoneaster)	A. H. White, Esq.	5	1	0	157	..	31·29	188	140
D Abbotsbury (West End)	The Earl of Ilchester	8	1	6	..	..	32·63	180	148
D Upwey (Friar Waddon)	R. Davison, Esq.	5	1	0	215	..	33·82	182	141
D Upwey (Higher Well)	R. Davison, Esq.	8	1	0	289	..	36·10	184	148
d Warmwell	Weymouth, W. W. Co.	5	1	0	134	..	34·84	..	..
D Wareham (East Holme)	Miss L. S. Bond	5	1	0	23	33·9	35·21	173	149
D Wareham (The King's Barrow)	Major R. Feilden	5	1	4	15	31·8	36·38	184	157
D Wareham (Binnegar Hall)	Mr. J. W. Hayward	5	1	0	65	33·8	35·61	188	141
D Wareham (Stockford)	W. Bond, Esq.	8	1	0	65	33·4	34·96	186	145
D Dorchester (Littlemayne)	E. R. Sykes, Esq.	5	1	0	200	..	35·12	181	136
D Dorchester (Kingscote)	Mrs. H. M. Ffooks	5	1	0	226	38·3	40·22	183	151
D Dorchester Waterworks	H. D. Strange, Esq.	8	1	0	314	36·6	36·42	168	141
D Dorchester (Stinsford)	J. Wyndham Hull, Esq.	5	1	0	207	37·4	36·79	173	136
D Dorchester (Birkin House)	Mrs. Weber	5	1	0	230	37·4	39·34	180	142
D Bradford Peverell House	H. F. Middleton, Esq.	5	1	0	370	..	40·13	189	148
D Puddletown (Clyffe Ho.) (A)	Maj. W. Van de Weyer	8	4	0	200	..	34·54	190	139
D Poole (+A)	Medical Officer of Health	5	1	0	18	..	32·15	191	141
D Poole (Pitwines Gasworks)	P. G. G. Moon, Esq.	8	1	0	8	..	33·67	188	147
D Poole (Holton Heath R.N. Cordite Fac.)	The Superintendent	8	1	0	64	..	35·19	188	131
D Parkstone (Balmoral Rd.)	Mrs. P. V. Hall	5	1	0	..	..	34·30	197	144
D Parkstone (Firgrove)	F. R. Wadman, Esq.	5	1	0	175	28·6	29·28	192	143
D Parkstone (Chevington Croft)	Col. E. C. Castleman-Smith, C.B.	5	0	10	200	..	30·14	185	142
D Parkstone (Rosemead)	S. Hyla Greves, Esq.	5	1	0	172	..	34·62	186	141
d Parkstone (St. Osmund's Road)	A. D. Stables, Esq.	5	1	3	60	32·2	33·81	..	142
D Parkstone (The Laurels)	J. N. Blanchard, Esq.	5	1	2	115	..	31·90	181	159
D Charminster (Brooklands)	K. P. Druce, Esq.	5	0	10	200	..	41·27	176	143
D Branksome (Bourne Valley)	P. G. G. Moon, Esq.	8	1	3	84	30·0	30·15	176	135

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

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DORSETSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—FROME & C.—(*con.*)								
D Branksome (Alderney Res.)	P. G. G. Moon, Esq.	8	1 3	213	..	33·65	192	144
D Broadstone (Sewage Works)	J. Bantten, Esq.	5	1 0	26	29·2	29·64	179	134
D Lyme Regis (Horn Bridge)	E. T. Stoward, Esq.	5	1 0	83	33·2	38·20	194	145
D Lyme Regis (Rotherfield)	Rev. E. J. Synge	5	1 0	145	34·3	37·81	202	152
D Lyme Regis (Overton)	C. Wanklyn, Esq.	5	0 10	400	30·9	36·72	214	153
d Bridport (Coneygar)	Bridport Waterworks Co.	5	1 0	110	32·9	30·89	(182)	(142)
D Bridport (Symondsbury)	P. G. Fry, Esq.	5	1 0	83	..	31·89	181	143
D Bridport (Ryall)	W. T. Bridges, Esq.	5	1 6	460	..	36·96	177	143
D Tolpuddle Parsonage	Mrs. Ashton Radcliffe	5	0 7	100	32·9	37·23	186	154
D Puddletown Vicarage	Rev. Canon A. L. Helps	5	4 6	200	35·8	40·15	174	146
D Bere Regis (Barrow Hill)	A. E. Lucas, Esq.	5	1 0	120	32·9	33·06	172	131
D Bere Regis (Bloxworth House)	F. G. A. Lane, Esq.	5	1 6	118	33·7	35·71	185	146
D Broadstone (Grange Road)	E. Nimmo, Esq.	5	1 0	160	..	32·72	186	137
D Wynford House	Lt.-Col. Lord Wynford, D.S.O.	5	1 0	410	43·5	45·55	213	155
D Netherbury (The Chantry)	Lt.-Col. H. L. Kitson	5	1 0	150	35·2	38·15	189	155
D Beaminster (East Street)	W. A. Stiby, Esq.	5	1 0	183	37·6	39·77	197	150
D Cerne Abbas (Long Street)	Capt. G. Jensen	5	1 0	375	..	44·76	199	146
D Minterne	Col. The Lord Digby, D.S.O.	5	0 9	640	..	39·43	200	140
D Evershot (Stickland's Sch.)	The Headmaster	5	0 10	550	..	46·70	217	154
4.—STOUR. 384 sq. mi.								
D Lytchett Matravers (Kit Robins)	H. Blanchard, Esq.	5	1 0	300	..	34·34	182	136
D Wimborne (Merley House)	Capt. A. Hambro	5	1 2	330	..	34·75	159	141
D Wimborne (Corfe Mullen W.W.)	G. V. Sparrow, Esq., C.E.	5	1 0	81	32·9	33·50	174	143
d Wimborne (Corfe Mullen, For. Hill)	E. Philip Belben, Esq.	8	1 0	300	32·5	33·99	..	139
d Winterborne Whitchurch Vic.	Rev. H. H. Tilney Bassett	8	1 0	200	35·8	40·34	..	130
d Sturminster Marshall	F. Hewitt, Esq.	8	1 0	85	32·6	33·93	..	143
D Wimborne (Stapehill)	W. J. Marchant, Esq.	5	1 0	95	..	31·80	176	140
D Wimborne (Walsford Bridge P.S.)	P. G. G. Moon, Esq.	8	1 3	70	..	34·07	161	143
D Wimborne (Melbury Lodge)	Rev. W. S. Clarke	5	1 6	150	..	35·26	181	152
D Wimborne (Uplands)	The late E. Percy Sugden, Esq.	5	0 10	..	..	33·68	181	143
D Blandford (Whitecliff St.)	E. Westcott, Esq.	5	1 0	152	..	37·77	170	143
D Blandford (King's Road)	D. Blanchard, Esq.	5	1 0	195	..	37·24	180	139
D Blandford (Bryanston Gdns.)	Mr. J. Jaques	5	1 0	185	..	39·74	182	159
D Blandford (Letton)	Brig.-Gen. B. F. B. Stuart, C.M.G.	8	1 8	230	..	35·39	181	140
D Glanville's Wootton (Manor Ho.)	H. B. Debenham, Esq.	5	0 9	350	35·2	35·31	167	132
D Holwell (Westrow House)	Miss H. B. Warry	5	1 0	252	34·4	33·64	175	147
D Wimborne St. Giles (St. Giles Ho.)	The Earl of Shaftesbury, K.P.	5	1 0	165	33·4	36·28	172	133
D Child Okeford Manor	J. H. L. Glasbrook, Esq.	5	1 0	250	..	38·26	168	136
D Iwerne Minster (Preston House)	Major H. W. Aston	5	1 0	220	33·2	33·94	177	129
D Iwerne Minster Vicarage	Rev. R. A. Bond	5	1 3	234	..	34·28	182	143
D Sturminster Newton	Louis Dawes, Esq.	5	1 0	225	..	36·38	183	149
D Iwerne Minster (West Lodge)	Col. H. S. Woodhouse	5	1 1	600	..	38·85	195	156
D Fontmell Magna (Glebe Cottage)	Dr. J. Appleyard	5	1 0	300	..	31·81	179	130
D Marnhull	W. Gaye, Esq.	5	1 4	220	..	35·24	184	145
Pentridge (Cobley)	F. B. Eastwood, Esq.	5	1 0	500	..	36·54	..	..
D Cann	Miss G. A. Macdonell	5	1 0	600	..	32·31	185	143
D Fifehead Magdalen	H. Wells, Esq.	5	0 9	500	..	34·62	184	149
D Shaftesbury (C.E. School)	The Headmaster	5	1 0	722	32·5	29·03	177	151
D Bourton	H. H. Genge-Andrews, Esq.	8	1 0	300	..	34·33	183	150
5.—EAST AVON. 12 sq. mi.								
SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)								
1.—PARRETT. 7 sq. mi.								
2.—TAMAR & C. 395 sq. mi.								
d Plymouth (Boveysand Lodge)	Capt. J. J. Case	5	1 6	75	34·1	34·29	..	129
D§ Plymouth (Mt. Batten Aero.) (+A)	Meteorological Officer	8	1 0	82	..	33·86	188	139
D Plymouth (The Hoe) (+A)	Messrs. Prigg, Lindon & Ivory	8	1 0	117	36·7	36·53	183	139
D Plymouth (Drake's Reservoir)	A. Atkinson, Esq. C.E.	5	1 0	149	37·5	31·10	180	133
D Plymouth (Freedom Pk.) (+A)	Messrs. Prigg, Lindon & Ivory	8	1 0	208	39·4	35·60	189	145
D Devonport (Rowdens Res.)	A. Atkinson, Esq., C.E.	5	1 0	201	35·1	34·37	189	145
D Plymouth (Hartley Reservoir)	A. Atkinson, Esq., C.E.	5	1 0	321	39·9	39·80	197	142

* *Per* Mid-Wessex Rainfall Association. § Exposure not orthodox.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SOUTH DEVONSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—TAMAR & C.—(*con.*)								
D Bickleigh (Roborough Reservoir)	A. Atkinson, Esq., C.E.	5	1 0	548	46·2	48·05	218	159
D Lee Moor House	R. Martin, Esq.	8	1 0	900	62·4	62·51	228	204
D Roborough (Maristow Gdns.)	G. F. Hedger, Esq.	5	1 0	60	..	49·93	209	162
D Yelverton (Oakfield)	H. Edgcumbe, Esq.	5	1 0	535	51·8	56·93	231	180
D Sheepstor (Redstone)	A. Atkinson, Esq., C.E.	5	1 0	760	59·0	59·31	235	179
D Sheepstor (Burrator)	A. Atkinson, Esq., C.E.	5	1 0	755	59·1	56·07	234	176
D Sheepstor (Head Weir)	A. Atkinson, Esq., C.E.	5	1 0	720	57·0	57·04	235	185
D Dousland Reservoir	A. Atkinson, Esq., C.E.	5	1 0	721	51·8	55·44	224	174
M Dartmoor (Deancombe Farm)	A. Atkinson, Esq., C.E.	5	1 0	807	..	62·95	..	..
D Yelverton (Yarrow-Dousland)	R. R. Brown, Esq.	5	0 8	700	..	58·96	218	177
D Yelverton (Uppaton)	Com. J.R.Burton, R.N. (retd.)	5	1 5	605	..	50·30	222	173
D Dartmoor (Lowery)	A. Atkinson, Esq., C.E.	5	1 0	899	..	53·92	235	179
M Dartmoor (Leather Tor Farm)	A. Atkinson, Esq., C.E.	5	1 0	910	59·0	59·00	..	..
M Dartmoor (Siward's Cross)	A. Atkinson, Esq., C.E.	5	1 0	1074	..	59·45	..	..
D Whitchurch (Grenofen)	H. Chichester, Esq.	5	1 2	325	46·1	51·25	226	173
D Whitchurch (Langstone)	F. J. R. Coleridge, Esq.	5	1 0	700	51·4	59·55	206	179
D Whitchurch (Holwell)	F. C. Radcliffe, Esq.	5	1 2	500	..	54·64	226	179
D Tavistock	W. J. Monk, Esq.	5	1 0	457	47·6	(49·17)	222	166
D Horrabridge (Furzetor)	Col. M. C. Collier	8	0 11	550	..	62·51	238	182
D Tavistock (The Library)	The Librarian	8	1 0	282	44·8	44·18	207	167
M Dartmoor (Double Waters)	A. Atkinson, Esq., C.E.	5	1 0	1165	64·2	65·15	..	..
M Dartmoor (N. Hessary Tor)	A. Atkinson, Esq., C.E.	5	1 0	1398	..	67·50	..	..
D Marv-Tavy (Blackdown)	H. K. G. Rogers, Esq.	5	1 0	855	..	58·07	225	191
D Coryton Manor	R. L. Newman, Esq.	5	1 2	450	43·5	50·39	230	178
D Lifton (Tulip Trees)	R. H. Arundell, Esq.	5	1 2	350	..	49·82	244	181
D Lew Down (Coombe Trenchard)	H. M. Sperling, Esq.	5	1 0	450	44·0	44·61	220	173
D Lydford (Naseby)	Col. H. E. Molesworth, C.M.G., D.S.O.	5	1 0	950	..	56·08	229	182
D Werrington Park	Mr. R. M. Gregory	5	4 8	600	..	50·32	230	177
D Ashwater (Barn Park Bungalow)	Miss Jamieson	5	1 0	550	43·0	40·86	219	173
D Holsworthy (Bodmeyric)	W. J. Rogers, Esq.	5	0 11	476	..	42·14	212	167
3.—ERM & C. 217 sq. mi.								
D Salcombe (Fairhaven)	C. Shillitoe, Esq.	5	1 0	150	..	38·01	160	148
D Malborough (Upalong)	Dr. A. Ward	5	1 6	365	..	40·05	179	148
D West Alvington	Rev. H. C. B. Lethbridge	5	1 0	180	..	40·38	194	161
D Kingsbridge (Senior School)	The Headmaster	5	2 0	100	..	37·87	175	152
d Kingsbridge	W. N. Patey, Esq.	5	1 6	150	..	40·86	..	..
D Stoke Fleming (Windward)	Miss E. L. Garrett	5	1 0	380	..	43·62	192	150
D Yealmpton (Torre)	Miss M. Wimbush	5	0 11	100	35·5	45·70	219	150
D Yealmpton (West Park)	D. M. Yonge, Esq.	5	1 3	150	..	41·92	193	151
D Loddiswell (Hazelwood Ho.)	Hon. Mrs. Peek	5	1 0	..	..	50·82	198	163
D Ermington (Strode)	Capt. H. Gore Hawker	5	1 0	75	41·4	45·93	195	161
D Ivybridge (Filham House)	H. Alger, Esq.	5	1 0	161	46·0	43·61	199	162
D Wrangaton (Plymouth M. Hos.)	Messrs. Prigg, Lindon & Ivory	5	1 0	607	54·2	55·31	183	161
D South Brent (Beechfield)	J. A. Kingwell, Esq.	5	1 0	500	61·0	64·49	199	170
D South Brent (Badworthy)	Miss D. B. Latham	5	1 2	550	64·4	73·37	193	171
d South Brent (Didworthy San.)	The Medical Officer	5	1 0	675	..	67·31	(180)	(157)
D South Brent (Brent Moor)	W. E. Nicholls, Esq.	8	0 9	850	..	83·76	227	182
Cornwood (Yealm Head No. 5)	W. H. Thompson, Esq., C.E.	5	1 0	540	..	68·04	211	188
Cornwood (Yealm Head No. 1)	W. H. Thompson, Esq., C.E.	5	1 0	943	..	77·73	..	..
d S. Brent (Brentmoor House)	W. A. Pritchard, Esq.		..	1000	..	81·16	..	167
§Cornwood (Yealm Head No. 2)	W. H. Thompson, Esq., C.E.	5	1 0	1305	..	74·27	..	..
Cornwood (Yealm Head No. 4)	W. H. Thompson, Esq., C.E.	5	1 0	1415	..	73·80	..	..
§Cornwood (Yealm Head No. 3)	W. H. Thompson, Esq., C.E.	5	1 0	1416	..	72·29	..	..
4.—DART. 197 sq. mi.								
D Dartmouth (Ridge Hill)	Miss J. S. Campbell	5	1 0	120	40·3	45·98	198	151
d Dartmouth (Naval College)	The Curator, Science Lab.	8	1 0	220	..	47·92	..	..
D Churston Ferrers (Greenway)	Mrs. C. Williams	5	0 9	..	40·8	47·37	183	148
Brixham	Torbay Paint Co., Ltd.	8	0 10	164	..	39·58	..	..
D Brixham (Combe Bank)	Sir H. Clayton, Bt.	5	6 6	115	36·7	42·21	197	145
d Waddeton Court	Sir A. L. Goodson, Bart.	5	1 0	175	40·5	43·56	..	147

§ Gauge over-exposed on moor.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	SOUTH DEVONSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—DART—(*con.*)								
D	Stoke Gabriel (Maisonette)	W. L. Collett, Esq.	5	1 0	100	42·8	51·19	197	170
d	Totnes (Dundridge Gardens)	Mr. C. K. Pugsley	5	1 0	250	48·3	53·85	..	131
D	PAIGNTON (Victoria Park)	Town Council (C. Bellinger)	8	1 1	12	..	39·70	182	138
D	Paignton (Claylands)	G. M. Rosling, Esq.	8	1 2	150	35·7	41·39	190	141
d	Totnes (Walrond House)	W. J. Toope, Esq.	5	1 2	40	41·8	48·43	..	141
D	Totnes (Dartington Hall)	J. B. E. Patterson, Esq.	5	1 0	175	..	46·68	192	146
D	Totnes (Staverton)	J. A. Devenish, Esq.	5	0 11	50	..	45·58	172	132
D	Broadhempston (Sneydhurst)	H. S. Burbery, Esq.	5	1 6	200	..	45·89	186	146
D	Ipplepen Vicarage	Rev. R. D. Cooke	5	1 0	266	36·8	43·01	184	146
D	Holne (Church Park Cottage)	L. W. Frost, Esq.	5	1 6	620	59·8	73·04	213	170
D	Ashburton (West St.)	W. T. Hannaford, Esq.	5	1 0	250	..	55·76	202	161
d	Ashburton (Melrose)	H. G. Brown, Esq.	5	1 0	400	..	(55·21)	(210)	(154)
D	Dartmoor (Fox Tor)	E. Rowlands, Esq., C.E.	5	0 7	1160	..	79·50	246	193
D	Dartmoor (Swincombe)	E. Rowlands, Esq., C.E.	5	0 7	1120	..	70·82	218	185
D	Princetown (Huccaby House)	Lt.-Col. H. H. Joll, D.S.O.	5	1 0	900	54·6	69·24	232	183
D	Princetown (Wydemeet)	Colin M. E. May, Esq.	5	1 0	900	58·2	72·80	218	188
D	PRINCETOWN (H.M. Prison) .(+A)	The Governor	5	1 0	1430	81·9	80·95?	233	209
W	Dartmoor (Cowsic Valley)	A. Atkinson, Esq., C.E.	5	1 0	1323	..	83·26	..	..
M	Dartmoor (White Tor)	A. Atkinson, Esq., C.E.	5	1 0	1439	..	78·70	..	..
M	Dartmoor (Devil's Tor)	A. Atkinson, Esq., C.E.	5	1 0	1570	..	76·65	..	..
M	Dartmoor (Cowsic Head)	A. Atkinson, Esq., C.E.	5	1 0	1465	..	80·75	..	..
	5.—TEIGN. 209 sq. mi.								
D	Torquay (Middle Lincombe Rd.)	Miss L. M. Brown	5	1 0	250	30·9	34·83	194	141
D	TORQUAY (Abbey Park)	The Corpn. (C. Bellinger)	5	1 0	27	33·0	37·71	176	136
D	Torquay (St. Marychurch)	Miss M. E. Coulson	5	1 0	300	..	41·58	205	143
D	Bickington (Higher Goodstone)	Com. W. A. A. Bolitho, R.N.	5	1 0	400	..	51·98	180	143
D	NEWTON ABBOT (Seale Hayne Coll.)	The Principal	5	1 0	375	34·7	40·37	186	139
D	Teignmouth (Woodlands)	Major T. B. Harris	8	1 2	98	31·5	34·18	171	133
D	TEIGNMOUTH (Den Gardens)	Medical Officer of Health	8	1 0	20	31·8	35·60	164	126
D	Teignmouth (Hazledown Res.)	G. F. Rossiter, Esq.	8	1 0	425	32·4	39·86	193	151
D	Teignmouth (Shaldon Res.)	G. F. Rossiter, Esq.	5	1 0	213	34·9	39·62	187	140
D	Teignmouth (Landscore Res.)	G. F. Rossiter, Esq.	8	1 0	143	33·2	39·12	194	149
D	Kingsteignton (Firleigh Rd.)	M. B. B. Heath, Esq.	6	1 0	130	..	40·16	171	130
D	Bovey Tracey (Whiddon)	G. F. Wright, Esq.	5	1 2	150	..	46·82	188	149
D	Dawlish (Luscombe Castle)	Peter Hoare, Esq.	8	1 2	175	35·9	43·13	217	155
D	Bovey Tracey (Hedgebarton)	W. K. Kitson, Esq.	5	1 6	1137	59·2	64·38	207	171
D	Bovey Tracey (Edymead)	The late Rev. W. V. Vickers	5	1 9	200	..	48·24	200	152
D	Chudleigh (Farmborough)	Major F. E. Koebel	5	1 3	400	..	41·85	184	147
D	Chudleigh (Scotleigh)	J. P. Hepburn, Esq.	5	1 3	280	..	40·06	183	141
W	Ashcombe (Thorns Reservoir)	S. F. C. Churchward, Esq.	5	1 0	515	36·4	43·16	..	..
D	Hennock (Hazlewood)	R. P. Kitson, Esq.	5	1 0	650	..	46·64	191	161
D	Lustleigh (Sun Hill)	Rev. H. Muir	5	1 0	650	..	51·02	193	154
D	Moretonhampstead (Bullaton)	N. G. Elliot, Esq., C.E.	8	1 0	928	42·2	50·08	230	162
D	Moretonhampstead (Mardon)	N. G. Elliot, Esq., C.E.	8	1 0	837	40·6	49·85	227	169
D	North Bovey (Manor House)	Mr. J. T. Laurence	5	1 0	700	49·0	55·52	215	174
M	Chagford (Hurston Ridge)	N. G. Elliot, Esq., C.E.	5	1 0	1350	..	75·97	..	..
M	Chagford (Toms Hill)	N. G. Elliot, Esq., C.E.	5	1 6	1500	..	82·89	..	..
M	Chagford (Whiteridge)	N. G. Elliot, Esq., C.E.	5	1 0	1650	..	84·35	..	..
M	Chagford (Hemstone)	N. G. Elliot, Esq., C.E.	5	1 6	1350	..	83·13	..	..
D	Christow (Kennick) No. 1	N. G. Elliot, Esq., C.E.	8	1 0	836	41·6	50·35	219	168
D	Christow (Kennick) No. 2	N. G. Elliot, Esq., C.E.	8	1 0	850	..	46·49	221	167
D	Chagford (Fernworthy)	N. G. Elliot, Esq., C.E.	5	1 0	1150	..	72·61	236	181
D	Chagford (Metherall)	(+A)N. G. Elliot, Esq., C.E.	8	1 0	1150	..	69·11	235	180
M	Chagford (Thornworthy Down)	N. G. Elliot, Esq., C.E.	5	1 6	1250	..	76·30	..	..
M	Chagford (Crownhall)	N. G. Elliot, Esq., C.E.	5	1 0	1320	..	79·92	..	..
D	Christow (Smithacott)	N. G. Elliot, Esq., C.E.	8	1 0	861	..	49·24	214	159
D	MORETONHAMPSTEAD	(+A)G. B. Davie, Esq.	8	1 0	798	..	52·93	204	158
D	Moretonhampstead (Hayne)	G. B. Davie, Esq.	5	1 0	600	..	50·81	204	163
M	Moretonhampstead (Blackingstone)	N. G. Elliot, Esq., C.E.	8	1 0	1158	42·5	48·92	..	..
D	Christow (Laployd)	N. G. Elliot, Esq., C.E.	5	1 6	1041	41·6	53·42	214	161
D	Chagford (Thornworthy)	Miss W. H. Varwell	5	1 0	1175	59·6	73·98	227	182
D	Chagford (Huish)	Col. P. Hart Dyke, D.S.O.	5	1 0	595	..	52·28	218	162

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

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SOUTH DEVONSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—EXE. 445 sq. mi.								
D EXMOUTH (Waterworks Road)	S. Hutton, Esq., C.E.	5	1 0	195	28·6	31·80	182	135
D Exmouth (Filters, Salterton Rd.)	S. Hutton, Esq., C.E.	8	8 6	195	31·5	34·64	195	141
D Exmouth (Littleham)	W. Malan, Esq.	5	0 7	155	..	34·60	199	139
D Exmouth (Filters, Capel Lane)	S. Hutton, Esq., C.E.	5	8 0	240	30·3	34·91	195	139
D Lympstone (Manor House)	Miss L. Shelden	5	0 11	54	30·8	35·45	207	138
D Woodbury (Oakhayes)	E. S. Chattock, Esq.	5	1 0	200	..	33·20	179	143
D Woodbury (South Croft)	Lt.-Col. T. C. Fraser	5	1 0	200	..	33·20	193	136
d Topsham (Altamira)	Mrs. Wimbush	5	0 9	120	29·3	33·36	..	134
D Exminster (Trood House)	Lt.-Col. T. L. Ormiston	5	1 11	75	..	36·04	193	135
D Exeter (Hatfield, Longdown)	C. Holman, Esq.	5	0 10	450	33·8	38·48	173	137
d Aylesbeare (Rosamondford)	A. T. Loram, Esq.	5	0 9	220	31·4	35·79	..	..
D Exeter (Devon and Exeter Inst.)	The Librarian	5	13 7	155	30·5	34·81	186	147
Exeter (The Close)	Rev. Canon D. McLaren	5	0 9	120	..	34·92	178	146
D Exeter (Magdalen Rd.)	Major H. W. N. Shewell	5	1 6	110	..	36·35	196	146
D Exeter (St. German's Lodge)	Rev. J. H. Hopkinson	5	1 0	350	..	38·12	191	146
D Tedburn St. Mary Rectory	Rev. H. Rusbridger	5	0 10	400	32·7	39·87	235	178
d Rockbeare Manor	Lt.-Col. H. Spencer Follett	5	0 10	180	30·9	31·54	..	128
D Cheriton Bishop (Horslake)††	Lady Lennard	5	3 9	500	..	37·92	202	159
D Brampford Speke	E. E. Stevens, Esq.	5	1 0	170	..	34·89	188	151
D Crediton (U.D.C.)	The Surveyor	5	1 3	198	..	35·27	187	153
Crediton (Haywards School)	C. Luxton, Esq.	5	0 9	200	..	33·73	..	..
D Crediton (Kinross)	W. L. Thomson, Esq., B.Sc.	5	1 0	300	..	32·29	194	144
D Silverton (KILLERTON)	Rt. Hon. Sir F. Dyke Acland, Bt., P.C.	5	1 0	159	..	33·64	203	150
D Thorverton (School House)	The Headmaster	5	1 0	194	..	34·76	198	152
D Silverton	G. B. Savery, Esq.	5	1 0	260	..	35·12	217	151
D Crediton (Okefield)	Seymour F. Pope, Esq.	5	1 0	325	32·2	33·29	217	154
D Copplestone (Copplestone House)	Miss M. Pope	5	0 11	315	34·1	35·05	208	150
D Bradninch (Dunmore House)	Miss H. R. Hepburn	5	1 0	300	33·7	33·20	186	142
D CULLOMPTON	Murray T. Foster, Esq.	5	1 0	202	35·3	35·66	208	169
D Cullompton Court	Dr. E. S. Cardell	5	1 0	200	..	34·68	207	163
D Kentisbeare	A. E. Painter, Esq.	5	1 0	304	37·1	32·86	210	152
D Tiverton (St. Aubyn's Park)	F. C. Fox Strangways, Esq.	5	1 0	394	38·4	38·12	215	161
D Tiverton (Halberton)	Miss M. G. Izat	5	0 6	250	40·8	46·20	214	158
D Tiverton (Blundell's School)	E. G. Peirce, Esq.	5	1 6	270	..	37·69	212	159
D Culmstock (The Knap)	T. Langdon Hine, Esq.	5	1 0	440	..	33·48	190	146
d Hemyock Place	N. J. Hitchings, Esq.	5	3 0	835	36·2	36·48	..	..
D Tiverton (Washfield Rectory)	Rev. A. Ellison	5	1 0	500	..	41·52	207	161
D Bampton (Oakford)	Miss M. E. Tedder	5	1 0	650	..	45·75	191	173
D Morebath Manor	C. H. W. Malet, Esq.	5	1 0	650	..	45·26	217	178
7.—AXE & C. 237 sq. mi.								
d Budleigh Salterton (West Ways)	J. Hartree, Esq.	5	1 3	140	..	31·26	..	132
D Budleigh Salterton (Braywick)	E. Fisher, Esq.	5	1 0	120	..	31·79	179	138
D Budleigh Salterton (Tidwell Ho.)	Mrs. J. H. F. Foster	5	1 0	100	..	30·37	182	134
Budleigh Salterton (Knowle Hill)	Lt.-Col. J. B. MacFarlan	5	0 7	245	..	33·71	..	..
d Budleigh Salterton (Knowle Ho.)	Mrs. Pepys	5	1 2	230	..	34·01	..	146
Budleigh Salterton (Squabmoor)	S. Hutton, Esq., C.E.	5	1 0	267	31·9	32·00	..	..
East Budleigh (Bicton Common)	S. Hutton, Esq., C.E.	5	1 0	300	32·2	34·55	..	..
d East Budleigh (Bicton Gardens)	The Head Gardener	5	1 0	90	31·4	32·63	..	..
D Salcombe Regis (Steephill)	Burleigh D. Kilburn, Esq.	5	1 0	150	..	33·12	188	142
D SIDMOUTH (U.D.C.)	The Borough Surveyor	5	1 0	25	..	31·27	181	136
D Sidmouth (Loretto)	S. Horsley, Esq.	5	1 6	125	..	33·03	192	139
D Sidmouth (Somerton Lodge)	Dr. C. Woodhouse	5	1 0	60	..	32·76	181	140
D SEATON (Seafield)	U.D.C. (Lt.-Col. H. Anderson Neville)	5	1 0	43	..	34·35	187	146
D Seaton (Bunt's Hill)	Dr. R. H. Norman	5	0 10	200	..	33·28	189	144
D Seaton (Homermead) ‡	T. F. Tracy, Esq.	5	1 0	185	..	35·73	191	149
D Lyme Regis (Pinhay)	Mr. W. F. Shillabeer	5	1 11	465	34·9	38·38	200	145
d Axminster (Uplyme)	Miss M. O. Williams	5	1 0	650	..	41·43	..	..
D Ottery St. Mary (Great Brake)	E. L. Cooper, Esq.	5	1 0	480	..	37·01	183	148
D Ottery St.Mary (Broad Oak)	Miss Tallant	5	1 2	300	..	38·32	206	149
D Ottery St. Mary (Little Close)	P. M. Miller, Esq.	5	0 9	250	..	36·11	193	141
D Ottery St. Mary (West Hill)	B. Stansbury, Esq.	5	1 6	340	34·2	38·55	214	152

‡ Moved from Withylake, 150 yards, on 20.6.1936. ‡‡Moved from Medland Manor in March 1936.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	SOUTH DEVONSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—AXE & C.—(*con.*)								
d	Ottery St. Mary (Elsdon)	T. H. Leathart, Esq.	5	1 2	340	..	38·29	(205)	(150)
D	Ottery St. Mary (Broad Street)	W. D. Badcock, Esq.	5	1 0	170	36·3	36·32	193	140
D	Axminster (Lea Combe House)	Major A. C. F. Luttrell	5	1 6	170	38·4	42·58	168	148
D	Honiton (Feniton Court)	Col. A. D. Acland, C.B.E.	8	1 0	235	36·4	38·17	201	140
	Honiton (Beech Grove)	Mrs. M. Baker	5	0 10	340	38·0	41·67	..	..
D	Membury (Yarty House)	Major W. H. Wilkin	5	1 0	245	..	40·37	199	162
D	Stockland (Post Office)	G. James Clarke, Esq.	5	1 0	350	40·5	46·78	197	148
	NORTH DEVONSHIRE. (Area, 898 sq. mi.)								
	1.—NORTH COAST STREAMS. 77 sq. mi.								
D	Croyde (Baggy Point)	Miss C. M. Hyde	5	1 0	35	..	29·10	176	131
D	Ilfracombe (Reservoir)	A. J. Westaway, Esq.	5	1 0	395	46·2	44·58	204	158
D	Combe Martin Rectory	Rev. R. Seymour	5	0 6	120	..	48·52	221	171
D	Ilfracombe (Langleigh)	H. B. Holland, Esq.	5	1 0	127	41·8	39·52	200	145
D	ILFRACOMBE (Bowling Green)	A. J. Westaway, Esq.	5	1 0	25	..	36·68	191	141
	2.—TAW. 442 sq. mi.								
	Spreyton (Lynderies)	Lt.-Col. J. Simpson	5	1 0	660	36·9	39·67	..	..
d	Witheridge	Rev. J. A. S. Castlehow	5	1 0	600	39·5	39·48	(212)	(171)
	Chittlehamholt	Rev. H. Carter	5	1 0	420	..	38·44	187	..
D	East Anstey Rectory	Rev. J. S. Payne	5	0 9	750	..	45·40	213	185
D	East Anstey (Rhyll Manor)	Mrs. E. L. Hancock	5	1 0	850	..	50·96	201	187
D	Filleigh (Castle Hill Gardens)	The Countess Fortescue	5	1 0	317	43·1	45·10	212	176
	Tawstock Court (R)	Sir Basil Peto, Bart.	8	0 8	150	39·7	39·59	..	..
D	West Buckland School	The Headmaster	5	0 9	630	..	43·14	194	176
D	BARNSTAPLE (N. Dev. Athenæum)	The Librarian	8	1 0	25	36·6	35·12	230	155
D	Barnstaple (Fort Hill)	Miss M. A. Sterry	5	1 0	197	38·3	36·80	214	160
D	High Bray Rectory	Rev. C. F. Ford	5	1 0	750	..	51·53	212	177
D	Barnstaple (Westaway)	Major O. L. Trechmann	5	1 0	140	39·1	37·78	211	150
	Goodleigh (Willesleigh House)	Lt.-Col. Montague H. Hall	5	1 0	375	40·0	38·81	211	168
D	Goodleigh (Gunn Cottage)	Major H. Sandford Claye	5	1 0	720	43·4	43·58	222	188
D	Braunton	A. J. Besly, Esq.	5	1 0	145	33·5	35·47	195	150
D	ARLINGTON Court	Miss Chichester	5	1 0	613	53·8	52·83	229	179
D	Challacombe	A. J. Westaway, Esq.	5	1 0	815	62·2	61·10	238	178
D	Georgeham (Spreacombe Manor)	A. Leigh Barker, Esq.	5	0 9	340	38·1	36·38	221	156
D	Kentisbury	Noel Irwin, Esq. †	5	1 0	557	..	47·26	246	165
	3.—TORRIDGE. 342 sq. mi.								
	Dartmoor (Cranmere Pool)	S. R. Harry, Esq., for M.O.	5	1 0	1845	..	81·80	..	..
	Dartmoor (Newbridge)	S. R. Harry, Esq., for M.O.	5	1 0	1500	..	(66·60)	..	..
D	Okehampton (Uplands)	E. P. Burd, Esq.	5	1 0	700	51·4	58·31	222	174
D	Okehampton (Grammar Sch.)	Wm. Hunter, Esq.	5	1 0	500	..	45·27	193	160
D	Okehampton (Exeter Road)	Capt. R. Deedes	5	1 6	850	..	48·78	204	169
d	Monkokehampton	Rev. R. Y. Holmes	5	0 6	245	..	36·41	(205)	(157)
D	Torrington (Enfield)	G. M. Doe, Esq.	5	1 0	337	39·3	36·13	208	151
D	Parkham (Melbury Moor)	A. C. Harding, Esq.	5	1 0	630	50·2	52·09	215	168
D	Parkham (Melbury Reservoir)	A. C. Harding, Esq.	5	1 0	517	52·8	56·57	218	176
D	Buckland Brewer (The Cottage)	Miss B. G. Rogers	5	0 11	469	45·0	43·23	229	174
D	Littleham (Orleigh Court)	W. H. Rogers, Esq.	5	1 0	260	48·0	39·57	209	160
D	Bideford (Jennett's Res.)	Borough Surveyor	5	1 0	62	..	36·51	199	145
D	Bideford (Gammaton Res.)	Borough Surveyor	5	1 0	350	..	35·12	203	153
D	Westleigh (Council School)	The Headmaster	5	3 6	170	35·6	32·31	203	148
D	Northam (Chope Barton)	Rev. H. G. deC. Stevens-Guille	5	1 0	180	..	39·58	224	159
d	Westward Ho! (Royal Golf Club)	Major A. Newton-King	5	1 6	10	32·3	34·79	..	155
	4.—WEST COAST STREAMS. 32 sq. mi.								
D	Hartland (Fosfelle)	R. P. Chope, Esq., B.A., J.P.	5	1 0	480	46·0	46·80	209	174
	5.—EXE. 5 sq. mi.								
	CORNWALL. (Area, 1,363 sq. mi.)								
	1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.								
	Crowan (Boswyn Res.)	Camborne Water Co.*	..	..	511	47·6	53·54	206	184
D	Lelant	Mrs. Tyringham	5	1 3	50	44·4	49·04	212	168

† For Royal Meteorological Society. * *Per* Cornwall Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CORNWALL—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1—CAMEL & N.W. COAST STREAMS—(*con.*)								
D St. Ives (Halsetown Vicarage)	Rev. T. C. F. Barfett	5	1 0	328	..	48·90	220	166
D St. Ives (Bussow Moor)	The Borough Surveyor	5	1 0	397	48·6	47·91	215	167
D St. Ives (Cemetery)	The Borough Surveyor	5	1 1	124	..	46·71	185	151
Camborne	Miss I. Osborne	5	1 2	402	44·1	44·80	..	..
D Camborne (Uplands)	H. G. Rix, Esq.	5	1 0	210	40·8	43·06	215	176
St. Ives (Liscoruah)	Col. J. M. Findlay, D.S.O.*	5	0 9	300	47·3	(46·46)	(220)	(164)
D Redruth (Trewirgie)	A. P. Jenkin, Esq., J.P.	5	1 0	397	45·3	51·02	221	178
M Redruth (Green Lane Nurseries)	F. Sanders, Esq.	5	1 0	270	*41·2*	49·82	..	..
D St. Agnes (Church Town	Dr. W. C. Whitworth	5	1 0	318	..	45·49	217	170
D Newquay (Tresillian House)	Capt. L. W. Bennet	5	2 6	200	..	42·66	189	156
Newquay (Reservoir)	C. C. Vigurs, Esq., B.A., M.D.	5	1 0	214	33·4	39·43	..	..
D Newquay (Mount Wise) No. 1	The U.D.C. (C. C. Vigurs, B.A., M.D.)	5	1 0	190	33·2	37·57	199	160
D Bodmin (Castle Hill House)	Mrs. Leslie	5	0 8	484	49·4	53·92	243	192
D Helland (Tredethy)	Capt. G. Wilson, R.N.	5	0 6	340	42·7	50·01	215	172
D Little Petherick (St. Petroc Minor)	Miss A. T. Skilbeck	5	1 2	150	32·0	37·96	249	150
D Wadebridge (Trewornan)	Brig.-Gen. L. J. Hext, C.M.G.	5	1 0	30	36·0	40·51	217	170
D Trevone (Pentonwarra)	W. M. Lindley, Esq.	5	1 0	25	..	37·31	210	143
D St. Kew (Skisdon)	Mrs. Braddon	5	1 0	100	40·3	49·31	232	172
D St. Minver (Trebetherick)	A. T. Roseveare, Esq.	8	1 0	70	32·0	35·67	213	160
W St. Minver (Lundy Bay)	W. Poynter Adams, Esq.	5	1 0	240	..	41·86	..	..
D Camelford (Stannon Clay Wks.)	English China Clays, Ltd.	8	1 6	800	54·8	60·93	240	199
D Delabole	Delabole Slate Co., Ltd.*	5	0 9	620	..	54·00	219	185
D Tintagel	Trust Houses, Ltd.	5	1 0	360	..	33·37	204	151
D Bude (School House)	Clerk to the U.D.C.	5	1 0	50	33·4	33·55	198	149
Bude (Trelana)	G. A. C. Thynne, Esq.	5	2 0	200	32·7	36·42	..	..
D Kilkhampton	J. E. Heasman, Esq.	5	5 0	500	..	45·20	218	179
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
D The Lizard (C. Guard Stn.)	Station Officer (M.O.)	8	1 0	240	..	37·71	206	160
M Lizard (Tregullas House)	A. P. Jenkin, Esq.	5	1 0	244	35·2	39·65	..	..
D Ruan Minor	Miss H. F. Shepherd	5	1 0	210	36·0	40·86	205	162
D Mullion (Council School)	E. J. Perry, Esq.	5	1 1	206	37·4	43·43	213	167
D Mullion	H. H. Penrose, Esq.	5	0 10	178	35·3	44·98	192	155
D Porthcurno	Eastern Telegraph Co.	5	1 0	150	36·2	37·91	227	148
St. Keverne (Lanarth)	M. P. Williams, Esq.	5	1 3	310	43·7	48·32	213	182
D Bosahan (St. Martin-in-Meneage)	Hon. Mrs. Colborne Vivian	5	1 3	180	..	51·01	199	182
Porthleven	J. J. Emmott, Esq.*	5	1 0	100	..	43·05	207	168
D Helston (Tenderah)	Miss H. K. Tyacke	5	1 7	220	42·0	48·40	212	180
Germoe	S. E. Biddick, Esq.*	5	1 0	220	..	43·24	..	..
Sithney (Council Sch.)	R. Trend, Esq.	5	1 1	296	41·2	52·67	..	..
D Constantine (Pons-a-Verran)	A. Mayne, Esq.	8	1 0	60	39·6	46·80	232	176
D Penzance (Trewidden)	Mrs. C. Williams	5	1 0	275	43·2	51·95	201	171
d St. Michael's Mount	Lord St. Levan	..	..	50	..	37·32	..	147
D Penzance (Morrab Gardens)	The Town Clerk	5	1 0	55	40·9	47·04	209	159
D Penzance (Trengwainton House)	Lt.-Col. E. H. W. Bolitho	8	0 11	400	46·4	51·81	231	181
D Gulval (Experimental Stn.)	Cornwall County Council	5	1 0	20	41·5	46·28	200	160
D Wendron (Ninemaidens)	W. E. Benney, Esq.	5	0 10	700	..	59·98	216	179
D Falmouth (Observatory) +(A)	The Supt. for Roy. Cornwall Poly. Soc.	5	1 0	167	43·6	46·22	209	166
D Falmouth (Trefusis)	Lt.-Col. The Hon. H. W. F. Trefusis.	5	1 3	200	39·5	40·99	207	170
d Halwin (Council Sch.)	F. P. Jenkin, Esq	5	1 6	540	..	48·02	..	..
D Penryn (Ashfield)	J. G. Stephens, Esq.	5	1 0	95	42·2	47·62	227	159
Penryn (Roskrow)	Mrs. E. Stephen*	..	..	550	49·8	44·66?	221	195
D Devoran (Devoran House)	Rev. A. S. Rashleigh	5	1 0	50	..	49·74	218	175
D Gwennap (Trevince)	C. H. Beauchamp, Esq.	12	1 0	240	45·5	50·30	226	182
D St. Day (Council School)	R. R. Blewett, Esq.	5	0 9	390	49·2	52·53	244	189
Tregoney (Trewarthenick)	P. A. Welman, Esq.*	6	0 10	200	..	46·93	..	..
D Truro (Tregolls)	Miss C. L. Rashleigh	5	1 0	65	41·6	49·91	218	164
D Truro W.W. (Lower Tregurrow)	W. J. Lean, Esq.	5	1 0	71	42·2	50·16	202	175
D Mevagissey	C. Metcalfe, Esq.	5	1 0	100	42·3	47·48	215	172
D St. Ewe (Council School)	The Headmaster	5	1 0	300	..	43·77	201	170
D Tresillian	Chas. Nicholson, Esq.	5	0 10	50	..	46·26	205	172

* *Per* Cornwall Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

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CORNWALL—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—FOWEY & S.E. COAST STREAMS—(*con.*)								
D Polperro	Mrs. F. H. Perry Coste	5	1 5	100	*39·2*	35·60?	221	151
D†Fowey	Town Clerk	5	1 0	51	..	38·52	209	184
D St. Austell (Trevarna)	W. M. Coode, Esq.	5	1 0	300	45·8	53·52	219	182
D East Looe	W. D. Clague, Esq.	5	1 0	50	..	41·86	191	161
Downderry (Yardley Ho.)	B. W. Sutherns, Esq. C.E.	8	1 3	50	..	38·71	189	149
D Looe (Morval)	Capt. A. H. Tremayne, R.N.	5	1 0	150	46·1	43·25	197	158
D Lostwithiel (The Terrace)	R. Pease, Esq.	5	1 0	110	49·2	51·98	215	174
D St. Keyne (Locrenton)	Rear-Admi. R. Wykes-Sneyd	5	0 10	250	..	49·77	219	167
d Menheniot (Coldrenick)	Rev. F. E. Trelawny	5	1 0	301	47·1	47·34	..	..
D Liskeard (Penmilder)	Miss D. P. Foster	5	1 0	250	..	48·56	196	165
D Liskeard (Treventon)	E. R. Foster, Esq.	5	1 0	360	..	49·86	224	174
D Bolventor Vicarage	Rev. S. J. Pethick	5	1 0	845	67·6	70·80	234	192
3.—TAMAR & C. 279 sq. mi.								
D Devonport (Empacombe)	Miss M. C. Algate	5	2 6	20	36·8	41·04	208	160
D Devonport (Cremyll)	S. B. Wilcox, Esq.	5	1 2	25	36·3	36·81	222	149
D Torpoint (Trethill House)	Col. J. D. A. Roberts	5	1 6	200	34·5	36·65	195	142
Torpoint (Wilcove)	G. P. Jenkin, Esq.*	..	..	40	39·1	39·40	..	..
D‡St. Mellion (Ellbridge Exp. Stn.)	The Horticultural Supt.	5	1 0	200	..	44·67	212	152
D St. Mellion (Pentillie Castle)	The Head Gardener	5	1 0	150	..	49·00	182	155
Gunnislake (Drakewalls)	J. D. Woolcock, Esq.*	5	1 0	573	..	52·97	219	178
d Stoke Climsland School	T. Oates, Esq.	5	1 0	458	..	50·33	..	..
D Launceston (North Hill)	Miss M. E. Hale	5	1 0	475	..	61·64	239	185
D Launceston (Landue)	Miss S. E. Tregoning	5	0 11	225	42·5	44·59	233	164
D Launceston (Hexworthy)	R. B. Rogers, Esq.	5	1 0	270	42·1	44·29	225	155
D Launceston (Pendruccombe)	Mrs. H. W. Suttie	5	1 0	469	..	45·75	213	161
Egloskerry (Tregeare)	Mrs. Lethbridge*	5	1 6	513	43·1	46·20	..	..
D North Tamerton (Davies)	W. S. Bray, Esq.	5	4 1	390	..	44·02	229	178
4.—INSULAR.—Isles of Scilly. 6 sq. mi.								
D St. Mary's (C. Guard Stn.)	Station Officer (M.O.)	8	1 0	163	31·9	37·36	214	157
D Tresco Abbey	Maj. A. A. Dorrien Smith, D.S.O.	5	1 0	40	33·4	40·41	219	159
SOMERSETSHIRE. (Area, 1624 sq. mi.)								
1.—LOWER AVON. 294 sq. mi.								
D Wanstrow (The Manor Cottage)	P. E. B. Warburton, Esq.	5	1 0	465	37·7	41·64	172	148
D Shepton Mallet (Pondsmead)	R. A. Hobhouse, Esq.	8	1 0	710	44·9	48·22	208	174
D Frome W. W. (Egford)	L. Slaughter, Esq.	8	2 0	270	35·8	37·24	198	151
D Frome (Selwood School)	Miss E. M. Coombs	5	1 9	320	33·9	35·29	189	143
D Mells (Selwood)	Miss E. G. Horner	5	1 0	344	37·2	38·20	211	158
D Binegar (Gurneyslade)	Rev. B. S. Rawlinson	5	1 0	588	43·3	50·01	195	168
D Stratton-on-Fosse (Downside Ab.)	Rev. B. S. Rawlinson	8	1 0	600	41·5	44·92	208	164
D Orchardleigh Park	Major A. C. Duckworth	8	1 0	320	32·8	40·15	197	157
D Lullington	H. G. Chislett, Esq.	5	1 0	200	..	35·82	184	150
D Chilcompton (The Woodlands)	C. H. M. Thring, Esq.	5	0 10	450	..	43·92	212	169
D Chewton Mendip (The Priory)	Earl Waldegrave	5	1 0	550	45·0	45·61	199	159
w East Harptree (Pitt Farm)	A. M. Paterson, Esq., C.E.	5	1 0	..	..	47·29	..	..
D Midsomer Norton (Dymboro)	Dr. A. Bulleid	5	3 3	355	35·8	36·32	181	148
D Midsomer Norton (C.E. School)	J. Poyner, Esq.	5	3 0	330	..	41·65?	199	158
D Radstock	H. Finister, Esq.	8	1 0	229	..	35·39	203	152
D Litton (Sherborne Res.)	A. M. Paterson, Esq., C.E.	5	1 0	340	40·0	41·39	200	160
w Harptree Hill	A. M. Paterson, Esq., C.E.	5	1 0	784	..	43·52	..	..
w East Harptree (Harptree Court)	A. M. Paterson, Esq., C.E.	5	1 0	..	..	41·19	..	..
D Hinton Blewett Manor	Maurice Church, Esq.	5	1 0	500	39·6	41·13	208	165
w North Widcombe	A. M. Paterson, Esq., C.E.	5	1 0	..	..	37·09	..	..
D Clutton (Council School)	I. C. Hoyal, Esq.	5	0 5	427	35·5	42·42	229	179
w Chew Stoke (Heron's Green)	A. M. Paterson, Esq., C.E.	5	1 0	..	..	37·59	..	..
D Pensford (Sutton Court)	Mr. F. Ford	8	1 0	280	37·7	39·01	213	166
d Midford (Court Essington)	E. H. Atchley, Esq.	5	2 6	450	..	35·50	183	..
D Midford (Pumping Station)	Combe Down W.W. Co., Ltd.	5	1 0	135	..	34·54	189	150
w Chew Stoke (Moorledge)	A. M. Paterson, Esq, C.E.	5	1 0	220	..	33·22	..	..
D Chew Stoke (Walley Court)	A. M. Paterson, Esq., C.E.	5	1 0	..	..	35·79	199	156
D Pensford (Hunstrete House)	H. Leyborne Popham, Esq.	5	0 9	400	33·7	36·56	203	154
w Ridgehill	A. M. Paterson, Esq., C.E.	5	1 0	..	..	37·29	..	..

† Unorthodox exposure. ‡ Turf Wall erected Oct. 1932. * *Per* Cornwall Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SOMERSETSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—LOWER AVON—(*con.*)								
D Chew Magna	A. M. Paterson, Esq., C.E..	5	1 0	180	36·3	35·16	204	153
D Pensford (Publow School Ho.)	A. Hayes, Esq.	5	1 0	230	33·2	33·69	192	140
w Winford (Upper Littleton)	A. M. Paterson, Esq., C.E...	5	1 0	..	..	37·58	..	..
w Chew Magna (Norton)	A. M. Paterson, Esq., C.E. .	5	1 0	430	..	34·50	..	..
D Bath (Henrietta Park)	Medical Officer of Health ...	5	1 0	67	30·3	30·68	187	146
D Bath (Monkton Combe)	W. G. Lock, Esq.	5	1 0	450	30·3	34·69	217	170
D Bath (Combe Lodge)	Major T. H. Clark	5	1 0	520	31·4	34·67	176	144
D Bath (Statutory Hospital)	Bath Corporation	5	1 0	520	32·8	32·31	189	150
D Bath (Mount Beacon House)	Lady Stothert	5	1 2	450	31·5	32·14	198	156
D Bath (Lambridge House)	C. Standen Paine, Esq.	5	1 1	..	..	30·10	172	143
D Bath (Charlcombe)	Bath Corporation W.W.	5	1 6	325	31·4	32·33	187	146
w Felton (Upper Town)	A. M. Paterson, Esq., C.E...	5	1 0	..	..	37·73	..	..
D Bath (Lower Swainswick)	G. R. Marsh, Esq.	5	1 0	145	..	32·65	178	147
D Whitchurch (The Mead)	N. L. Butt, Esq.	5	0 6	300	..	33·45	204	152
D Batheaston Reservoir	Bath Corporation W.W.	5	1 0	248	31·1	32·43	200	145
D Keynsham (Wellsway)	A. E. Stephens, Esq.	8	1 0	133	29·6	29·61	189	137
D Bath (Brockham End)	H. A. Holland, Esq.	5	1 4	720	..	30·68	198	157
D Barrow Gurney Reservoir	A. M. Paterson, Esq., C.E..	5	1 0	300	36·2	36·36	196	152
D Lansdown	Bath Corporation W.W.	5	1 0	380	..	34·67	203	157
D Long Ashton (Research Station)	The Principal	8	0 8	162	34·1	35·23	210	151
D Walton-in-Gordano	Lt.-Col. Sir Chas. Miles, Bt.	5	0 9	80	..	35·40	209	156
D Failand House	University of Bristol	5	1 0	380	34·6	39·12	211	168
D Portishead (Bristol Rd.)	Portishead Dist. Water Co..	5	1 6	24	34·9	33·91	197	148
D Portishead (Redcliffe Bay)	A. E. Heaven, Esq.	5	0 10	200	..	36·04	190	148
2.—YEO, AXE & BRUE. 405 sq. mi.								
d Bratton Seymour (Bratton Lodge)	Lt.-Col. H. R. Phipps*.	5	1 0	465	..	35·94	(207)	(154)
D Bruton (Great Down Cottage)	F. K. Makins, Esq.	5	1 0	280	..	37·40	201	150
D Street (Hill Close)	P. T. Clothier, Esq.	5	1 0	186	..	32·78	196	150
D Ditcheat Rectory	Rev. H. H. Tripp, M.A.* ..	5	1 0	212	31·5	36·23	197	159
d Street (High Level Reservoir)	The Surveyor, U.D.C.	5	1 0	182	..	30·56	..	..
D Street (Overleigh House)	J. B. Clark, Esq.	5	0 10	100	28·5	31·86	199	146
D Street (Hindhayes)	Mrs. W. Bancroft Clark ...	5	1 6	78	28·8	31·92	202	148
D Street (Portway)	J. E. Clark, Esq.	5	1 0	80	..	33·80	200	161
d Street (Sewage Farm)	The Surveyor, U.D.C.	5	1 0	18	..	31·50	(169)	(140)
D Street (Millfield)	Dr. Hilda Clark.	5	1 1	100	28·5	32·70	175	153
D Catcott (The Crift)	Rev. H. Buckton	5	1 0	100	..	28·85	184	146
d Glastonbury (Bere Lane)	Mrs. Mee	5	0 8	..	..	(32·22)	(214)	(152)
D Edington	Major A. C. F. Luttrell....	5	1 6	90	31·2	31·62	173	150
D Chilton Polden (West House)	Mr. E. Chick.	5	1 0	100	28·5	28·92	187	146
D Cossington Manor	J. C. Macro Wilson, Esq....	5	1 0	110	..	31·08	178	144
D Shepton Mallet (Pilton)	Miss E. M. Allen.	5	1 3	354	34·6	36·38	182	156
D Shepton Mallet (Charlton)	C. E. Burnell, Esq., J.P....	5	1 0	481	38·8	40·18	213	169
D Shepton Mallet (Field House)	Sir F. H. Berryman.	5	1 0	500	38·6	39·56	207	168
D Shepton Mallet (Sewage Farm)	The Surveyor, U.D.C.	5	1 0	330	38·7	38·62	198	162
d Wells (The Palace)	Mrs. Wynne Willson	..	..	150	..	33·88	..	145
D Wells (St. Cuthbert's Lo.)	Miss H. S. Laidlay	5	1 0	135	..	34·31	207	148
D Wells (Mental Hospital)	The Medical Superintendent	5	1 2	300	36·2	35·61	187	160
d Wells (Wookey Hole Paper Mills)	W. S. Hodgkinson & Co.,Ltd.	5	2 1	174	35·1	36·54	..	135
D Wookey Hole (Wookey Ho.)	E. T. Wilson, Esq.	5	1 0	200	..	37·88	206	171
D Burnham (Chalbury)	Miss A. E. Smith Spark....	5	1 0	20	29·1	30·85	207	150
D Burnham	W. H. Chowins, Esq., C.E...	8	0 8	24	28·5	30·92	191	156
D Burnham (Berrow Road)	Miss M. Robinson	5	1 0	10	29·2	29·43	179	147
D Burnham (Brent Knoll)	J. B. Randell, Esq.	5	1 0	25	30·3	31·22	201	153
D Draycott	Miss E. Parrett	5	1 0	21	..	34·02	195	145
D Cheddar (Pumping Station)	A. M. Paterson, Esq., C.E..	5	1 0	50	33·6	34·28	195	151
w Charterhouse	A. M. Paterson, Esq., C.E..	5	1 0	619	43·2	42·89	..	..
w Compton Martin	A. M. Paterson, Esq., C.E..	5	1 0	276	42·4	39·25	..	..
D Shipham (Studleigh End)	Miss E. M. Garaway.	5	0 9	550	..	34·59	204	154
w Ubley (Rookery Farm)	A. M. Paterson, Esq., C.E..	5	1 0	525	44·9	42·46	..	..
D Winscombe (The Down)	J. Grubb, Esq.	5	1 0	295	35·8	37·07	199	157
w Blagdon Hill	A. M. Paterson, Esq., C.E...	5	1 0	550	40·6	39·48	..	..

* *Per* Mid-Wessex Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SOMERSETSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—YEO, AXE and BRUE—(*con.*)								
D Blagdon (Pumping Station)	A. M. Paterson, Esq., C.E...	5	1 0	112	37·0	36·46	196	158
w Blagdon (Coombe Lodge)	A. M. Paterson, Esq., C.E...	5	1 0	388	39·6	37·40	..	..
w Nempnett (West Town)	A. M. Paterson, Esq., C.E...	5	1 0	263	36·3	34·79	..	..
w Burrington (Burrington Links)	A. M. Paterson, Esq., C.E...	5	1 0	335	38·1	35·93	..	..
D Banwell (Council School)	W. J. Sheppard, Esq.*	5	1 0	62	..	33·06	198	161
D Weston-super-Mare (Clarence Pk.)	The Town Clerk.....	5	1 1	29	29·9	31·36	191	147
D Churchill (Langford House)	Sidney Hill, Esq., J.P.....	8	0 10	90	..	38·43?	207	165
w Butcombe (Cholwell)	A. M. Paterson, Esq., C.E...	5	1 0	370	38·9	36·82	..	..
D Yatton (Chelvey)	A. M. Paterson, Esq., C.E...	5	1 0	60	32·5	34·41	206	154
D Backwell Hill	W. Garnett, Esq.....	5	1 0	490	33·2	31·89	190	156
D West Town	Theodore Robinson, Esq...	5	1 0	80	34·6	34·02	205	147
D Clevedon (Gas Works)	J. Harger Pye, Esq.	5	1 2	22	33·5	33·02	197	143
D Clevedon W.W .(Tickenham Rd.)	J. Harger Pye, Esq.....	5	1 6	70	31·2	33·63	192	147
D Wraxall Court	Mr. G. Hyde	5	0 10	200	..	36·03	209	162
3.—PARRETT. 568 sq. mi.								
D Chard (Forton Road)†	Miss C. M. Papworth.....	5	1 2	400	39·1	44·21	214	171
D Chard (Snowdon)	A. J. Dening, Esq.	5	1 0	400	..	43·59	200	163
D Crewkerne (The Reservoir)	E. H. Munford, Esq.....	8	1 0	426	33·7	35·90	183	143
D Crewkerne (Bincombe House)	Mrs. R. H. Symons.....	5	1 3	293	34·7	39·00	186	143
D Chaffcombe House	Col. L. H. Noblett.....	5	0 10	400	33·1	41·52	193	159
D Combe St. Nicholas	Rev. G. de Y. Aldridge....	5	1 0	580	38·4	45·85	226	174
D Hardington Manderville	L. Dawson Campbell, Esq...	5	1 0	400	..	41·58	183	148
Coker Court Gardens	Mr. T. H. Gilham.....	5	1 6	255	33·7	35·92	180	145
D Ilminster	The Surveyor	8	0 6	182	..	35·28	184	135
D Ilminster (Dillington Park) (R)	Mr. W. Goldthorpe.....	8	3 0	161	..	33·75	186	138
d Yeovil (Reckleford School)	The Headmaster.....	5	2 0	150	..	38·19	..	135
D Yeovil (Pen Mill Sewage Works)	Dr. C. W. Gee.....	5	1 0	102	30·6	34·15	200	144
D Pitminster (Blagdon Hill)	G. L. Sidey, Esq.....	5	0 10	750	..	40·60	210	170
D Stoke-under-Ham	Miss M. H. Gillett.....	8	1 0	80	31·2	37·57	186	151
D Angersleigh (Leigh Court)	A. Eastwood, Esq.....	8	1 0	360	35·0	35·49	196	154
D Trull (Harpers)	Com.Q.B.Preston-Thomas,R.N.	5	1 0	205	..	31·33	191	136
D Ashbrittle (Kyrle)	Major J. H. Mathias.....	5	0 9	525	..	38·79	208	161
D Bradford (Stoford Manor)	W. Simms, Esq.....	5	1 0	140	..	32·41	199	146
D Runnington (Runnington Ho)	Mrs. H. F. Lee	5	1 0	200	..	32·37	194	151
D Martock Vicarage	Prebendary Saunders	5	0 9	61	29·6	30·56	182	132
D Rimpton	P. B. Cardwell, Esq.*.....	5	1 0	147	..	32·19	198	156
D Taunton (The Park)	P. J. Gough, Esq.	5	1 0	71	29·5	29·52	194	140
D Taunton (Holy Trinity School)	A. P. Guest, Esq., M.B.E...	5	1 0	65	29·1	30·35	197	141
D Queen Camel (England's Side)	J. A. Brendon, Esq.	5	1 0	100	..	32·49	184	152
d North Curry Vicarage	Rev. A. Gossage Robinson .	5	0 11	90	..	(30·97)	(205)	(149)
D Milverton (Old Halls)	Mrs. Bere	5	1 8	250	..	34·05	209	158
D Milverton (Spring Grove)	Mrs. M. K. Coldwell.....	5	1 0	500	36·7	36·28	211	162
D Wiveliscombe (Culverhead)	Lt.-Col. H. Jefferys Taylor, D.S.O.	5	0 10	430	39·6	38·81	183	153
D Langport (Council School)	H. G. Jefferies, Esq.....	5	1 0	52	28·1	31·85	178	151
D Somerton (The Grange)	R. W. Pretor-Pinney, Esq..	5	1 0	106	27·8	31·04	177	142
Wiveliscombe (Council School)	The Headmaster.....	5	1 1	410	..	36·96	199	158
D Wiveliscombe (Bulland Lodge)	Mrs. A. J. Capel	4	0 10	750	..	40·78	212	171
D Bishop's Lydeard (Watts Ho.)	Lady Boles.....	5	1 2	320	..	30·50	181	140
d North Newton (Council School)	The Headmistress.....	5	0 9	50	..	29·71	..	138
d Somerton (Littleton)	P. H. L. Cook, Esq.	8	1 0	68	..	33·45	(190)	(147)
D Bagborough Rectory	C. Hubert Lance, Esq.....	9	1 0	470	34·1	35·46	209	158
D Spaxton (Bush House)	Capt. A. M. Stancomb, R.N.	5	1 0	350	..	34·76	202	151
D Bridgwater (Blake Gardens)	R. A. Watson, Esq.	5	3 1	27	28·5	34·95	195	143
D Bridgwater (Wembdon Road)	H. Corder, Esq.....	5	0 6	30	29·9	32·23	174	139
D Over Stowey (Quantock San.)	Medical Superintendent....	5	1 0	400	..	36·00	177	149
d Cannington (Ashford)	R. A. Watson, Esq.	5	1 1	102	31·4	32·98	..	140
D Cannington (Farm Inst.)	The Principal	5	1 0	95	..	32·92	200	143
D Bridgwater (Fiddington)	J. M. Lee, Esq.*	5	1 0	100	..	35·48	189	145
4.—NORTH COAST STREAMS. 158 sq. mi.								
D Elworthy (Willett)	H. C. Venning, Esq.....	5	1 0	450	35·1	33·58	176	138
D Croydon Hall	Capt. J. W. Bridges.....	5	2 5	800	41·6	36·82	191	148

**Per* Mid-Wessex Rainfall Association. † Moved from High Street Council School 11.4.36.

DIVISION V—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SOMERSETSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NORTH COAST STREAMS—(*con.*)								
Bicknoller (Ford)	John Tracey, Esq.	5	1 2	150	33·0	36·01	219	147
D Roadwater (Lowood)	H. D. Badcock, Esq.	5	1 0	200	..	33·09	199	135
D Dodington	Miss W. J. Malet	5	1 0	450	..	37·21	197	154
D Bicknoller (Weacombe Ho.)	O. T. Sadler, Esq.	5	1 0	320	34·2	33·98	178	155
Williton (Tower Hill)	M. L. Fry, Esq.‡		.. ..	..	..	31·92	..	..
D Williton (Eastfield)	Miss E. Heathcote	5	1 0	184	..	33·60	200	137
Williton (C. E. School)	The Headmaster‡		.. ..	..	..	35·39	..	..
D Williton (The White House)	S. L. Rogers, Esq., J.P.	5	1 0	97	30·6	34·37	181	140
D Kilve Court	Miss A. Fry	5	1 0	150	30·0	34·59	207	143
D Old Cleeve	Rev. Preb. E. P. Liddon	7	1 0	150	..	32·37	218	128
D Stogursey (Fairfield House)	Lord St. Audries*	5	1 0	150	31·1	34·54	189	144
D Bridgwater (Stockland Manor)	Lt. Col. H. T. Daniel*	.	..	..	..	34·28	173	147
d Wootton Courtney (Greenacres)	Dr. K. Anderson	5	1 6	400	..	35·75	(206)	(142)
D Dunster	P. R. Day, Esq.	5	1 0	160	33·0	32·35	184	125
d Dunster (The Priory)	A. B. Burney, Esq*	5	0 9	200	..	33·55	..	138
D Stolford (Whitewick Farm)	C. Mackenzie, Esq.	5	0 9	10	..	32·10	176	143
D Minehead (Blenheim Gardens)	A. Douglas Barron, Esq.	5	1 0	37	..	35·32	185	137
D Porlock (Lynch Mead Allerford)	J. Dyke Acland, Esq.	5	1 3	113	34·6	35·08	215	148
D Porlock (Bush Steep)	Mrs. W. P. Holmes	5	0 9	130	43·2	38·76	199	140
d West Porlock House	Mrs. G. Blathwayt	5	1 6	100	..	43·28	..	132
D West Porlock (Underway)	N. G. Hadden, Esq.	5	1 0	100	44·2	44·76	182	151
D Culbone (Lillycombe)	E. T. MacDermot, Esq.	5	1 0	1210	50·5	52·64	228	177
5.—EXE. 122 sq. mi.								
D Churchstanton (Stapley)	The Misses Church	5	1 0	600	..	38·92	210	166
D Churchstanton (Widcombe)	G. Clinton Baker, Esq.	8	1 0	900	..	41·48	196	163
D Exbridge	Exe Valley Fishery Co.	5	3 0	450	44·1	41·32	207	164
D Brushford Rectory	Rev. B. J. du Boe	5	1 0	450	44·3	43·28	209	175
D Brushford Nurseries	Mr. G. Ruff	5	1 5	450	44·1	42·05	216	173
D Dulverton (Chiltoms House)	L. B. Akers, Esq.	5	4 6	900	..	48·70	249	189
D Dulverton C.E. School	C. J. R. Weaver, Esq.	5	0 9	550	..	46·94	205	187
D Dulverton (Barons Down)	B. S. Bullivant, Esq.	5	0 11	860	..	44·11	210	180
D Winsford	Capt. R. S. Le Bas	5	1 0	620	..	50·32	215	177
Exford (Stockleigh Lodge)	Lt. Col. W. W. Wiggin‡	5	1 0	1000	54·8	56·00	..	..
6.—AXE. 42 sq. mi.								
D Wayford Manor	H. L. P. Baker, Esq.	5	0 10	425	..	42·81	176	156
D Cricket St. Thomas	Mr. C. G. Rose	5	1 0	444	39·3	44·88	178	158
7.—STOUR. 35 sq. mi.								
D Temple Combe Rectory	Rev. Preb. R. W. Windsor*	5	1 4	250	34·9	39·03	182	161
D Horsington Marsh	P. Parsons, Esq.*	5	0 6	210	..	33·81	172	147

DIVISION VI—WEST MIDLAND COUNTIES.

GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)								
1.—WYE. 50 sq. mi.								
D Chepstow (Castleford)	Mrs. W. R. Lysaght	5	1 0	146	35·8	42·09	193	167
D St. Briavels (St. Briavels Ho.)	Mrs. F. Andrews	5	1 0	750	43·4	53·00	207	176
D Newland (The Cottage)	E. L. Ferrall, Esq.	5	0 7	450	..	45·08	176	158
D Redbrook Pumping Station	C. W. D. Ward, Esq.	5	1 0	225	..	44·92	202	158
D Forest of Dean (Mailscot Lodge)	Forestry Commission	8	1 0	630	35·0	41·28	185	163
D English Bicknor (Bicknor House)	T. F. Harvey, Esq.	5	1 0	490	32·6	38·44	224	142
d Ruardean Hill Lodge	Forestry Commission	8	1 0	932	..	38·90?	..	..
2.—SEVERN—Right Bank Tributaries. 185 sq. mi.								
D Lydney (Clanna Cottage)	Brig.-Gen. A.M.Tyler, C.M.G.	8	0 10	359	39·7	42·62	196	160
d Forest of Dean (Whitemead Pk.)	Forestry Commission	8	1 0	325	34·7	40·20	(188)	(156)
D Forest of Dean (Blakeney Hill Lo.)	Forestry Commission	8	1 6	500	31·6	34·03	196	149
D Forest of Dean (PARKEND)	Forestry Commission	8	1 0	325	..	41·57	192	151
D Forest of Dean (Worcester Lo.)	Forestry Commission	8	0 11	712	37·4	42·01	195	152
D§Coleford (Cannop Colliery) *new g.*	The Manager	5	1 0	330	..	40·62	193	143

* *Per* Mid-Wessex Rainfall Association. ‡ *Per* S. L. Rogers, Esq. § Turf wall round gauge on new site.

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	GLOUCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—SEVERN—Right Bank Tributaries—(*con.*).								
D	Newnham-on-Severn School	The Headmaster	5	1 0	100	..	35·32	213	153
D	Westbury-on-Severn (Ninnage L.)	The late Miss N. E. Grant	5	1 0	120	29·2	32·42	172	136
D	Forest of Dean (Edgehills Lodge)	Forestry Commission	8	1 0	915	33·2	42·49	186	163
D	Newent (Taynton)	M. Philips Price, Esq.	5	1 0	60	29·3	33·07	178	140
D	Oxenhall (Dymock Woods)	Forestry Commission	8	1 0	232	27·6	37·05	166	131
D	Bromsberrow Heath Pump. Stn.	W. Osborne Thorp, Esq., C.E.	5	1 0	181	26·2	30·61	179	136
D	Tewkesbury (Forthampton Ct.)	Mr. B. Webster	5	1 0	48	26·9	28·24	185	134
D	Tewkesbury (Upper Lode)	J. E. Bradley, Esq.	5	1 0	41	25·2	27·70	187	131
	3.—SEVERN—Left Bank Tributaries. 369 sq. mi.								
D	Thornbury (Thornbury Park)	Capt. R. A. Bennett	5	1 3	70	32·2	34·30	192	159
D	Tortworth Court	The Head Gardener	8	1 0	264	31·5	31·09	175	138
D	Tortworth School	E. A. Smith, Esq.	5	1 6	264	31·8	32·79	199	153
D	Dursley (The Manor)	The late Miss H. M. Hutton	5	1 0	274	32·4	32·89	198	152
D	Avening House	Lady Eleanor Byng	8	1 3	350	32·3	32·78	189	159
D	Berkeley Castle Gardens	Mr. T. B. Ashbee	5	1 6	60	29·1	32·93	180	142
D	Cam (Drake Lane)	F. G. Francis, Esq.	5	1 0	350	..	33·36	205	153
D	Nailsworth (Three Corners)	F. R. Rushton, Esq.	5	0 9	325	34·0	33·96	209	164
D	Berkeley (Sharpness Docks)	A. J. Cullis, Esq., C.E.	5	1 3	50	29·5	37·04?	177	149
d	Minchinhampton (Box House)	Mrs. J. H. Sharp	5	1 0	500	..	34·44	..	161
D	Minchinhampton (The Shard)	E. H. Denne, Esq.	5	0 8	500	32·0	31·12	196	149
D	Minchinhampton (Rectory Cott.)	G. W. Fisher, Esq.	5	1 0	610	33·9	34·76	199	164
D	Minchinhampton (Camp Field)	Miss B. M. Legh	5	1 6	640	33·9	33·77	202	157
D	Chalford W.W.	Stroud Water Co.	5	2 0	241	..	31·50	184	139
D	Frocester Manor	Capt. J. E. H. Graham-Clarke.	5	1 3	80	..	27·99	160	132
D	Stroud (Rodborough Common)	Major H. Napier-Rowlatt	5	1 0	600	..	34·54	187	165
D	Stroud (Thrupp)	George G. Loane, Esq.	5	1 0	300	..	32·65	201	146
D	Stroud (Stanley Park Gdns.)	Sir P. S. Marling, Bt., V.C., C.B.	8	1 0	365	33·2	34·78	174	160
D	Stonehouse (Wycliffe College)	W. A. Sibly, Esq.	5	1 0	120	29·0	28·63	188	144
D	Stonehouse Council School	The Headmaster	5	0 6	136	..	30·21	195	147
	Stroud (Berrimans)	E. Armitage, Esq.	5	1 0	750	34·0	36·18	..	..
D	Whitminster (Parklands)	W. Grey Robinson, Esq., J.P.	5	1 0	103	..	30·07	182	145
D	Miserden Park	The Agent	5	1 2	780	..	38·11	201	166
D	Whitminster (The Junction)	A. J. Cullis, Esq., C.E.	5	1 0	32	..	29·75	202	138
D	Haresfield Court	Miss Tidswell	5	0 10	100	30·2	33·25	196	152
D	Harescombe Grange	Stamford Hutton, Esq.	5	1 0	557	29·3	32·74	199	153
D	Cranham (Woodside)	J. H. Edwards, Esq.	5	1 5	650	..	33·06	216	152
D	Quedgeley House	Miss M. F. Curtis-Hayward	5	1 0	65	27·9	30·68	195	152
D	Witcombe Reservoir	C. J. Scudamore, Esq., C.E.	8	1 0	297	29·2	30·98	192	142
D	Brockworth (The Kia)	Mrs. Grace Buckle	5	1 4	220	27·1	28·22	181	132
D	Gloucester (The Park)	R. H. Ellis, Esq.	5	1 3	56	26·6	28·72	189	134
	Gloucester (Barnwood House)	Mr. R. Wadham	..	.. ..	..	..	27·08	..	..
D	Gloucester (Llanthony Lock)	J. E. Bradley, Esq.	5	1 2	39	25·4	26·10	163	141
D	Gloucester (Maisemore Lock)	J. E. Bradley, Esq.	5	1 1	39	25·1	26·59	190	130
D	Churchdown (Barrow Hill)	Mrs. J. H. Jones	5	1 0	225	27·9	28·19	178	130
D	Cheltenham (Hewletts Res.)	G. Gould Marsland, Esq., C.E.	8	1 6	419	27·7	30·38	186	142
D	Cheltenham (Sandford Mead)	G. Gould Marsland, Esq., C.E.	5	2 4	210	26·3	29·93	180	141
D	CHELTENHAM (Montpellier Gds.)	The Town Clerk	5	1 0	214	26·5	30·20	196	148
D	Prestbury (Delhome)	Miss E. M. Heberden	5	0 9	300	..	31·06	197	147
D	Cheltenham (Swindon)	J. C. M. Stanton, Esq.	8	1 2	136	25·6	29·62	190	136
D	Bishops Cleeve	Mrs. L. G. Lascelles	5	0 10	150	..	28·47	191	143
D	Tewkesbury Pumping Station	G. Gould Marsland, Esq., C.E.	5	1 0	47	23·9	25·61	193	131
	4.—SEVERN—Upper Avon. 68 sq. mi.								
D	Blockley	Miss E. M. Richardson	5	1 0	550	29·4	32·37	194	145
D	Winchcombe (Sudeley Castle)	Major J. H. D. Brocklehurst	5	1 0	357	29·8	32·60	176	139
D	Broadway (Buckland Manor)	Mr. J. Whiteley	5	1 0	300	27·7	30·06	200	147
D	Campden (Research Station)	The Director	5	1 0	389	..	28·21	180	137
	5.—LOWER AVON & C. 208 sq. mi.								
D	Bath (Monkswood Reservoir)	Bath Corporation W.W.	5	1 0	365	..	34·64	215	158
d	Bristol (Victoria Park)	City Engineer	5	1 0	120	..	(33·26)	(196)	(146)
d	Marshfield (Ashwicke)	Major M. E. W. Pope	5	1 0	600	..	34·21	..	..

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
GLOUCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—LOWER AVON & C.—(*con.*)								
D Bristol (Tyndalls Park)	(+A) O. W. Dunscombe, Esq.	5	1 6	150	33·1	37·83	212	148
D Bristol (Hopewell Hill)	W. Gloucester Water Co.	5	1 0	381	30·5	32·22	199	153
d Bristol (Sneyd Park)	Mrs. A. M. Tanner	5	1 8	300	..	35·83	..	148
D Clifton (Oakfield Road)	A. M. Paterson, Esq., C.E.	5	1 0	200	33·0	33·85	196	152
D Clifton (All Saints Rd.)	H. T. Coles, Esq.	5	0 11	200	..	36·06	220	157
Bristol (St. Andrew's Park)	H. Vicars Webb, Esq.	5	1 6	200	32·6	34·97	..	152
D Horfield	(+A) G. H. Brown, Esq.	5	1 0	206	..	36·22	214	159
D Shirehampton (Kings Weston)	P. Napier Miles, Esq.	8	1 0	220	..	33·07	204	151
Winterbourne (Kendleshire)	J. Marsh, Esq.	5	1 0	180	..	29·46	..	..
D Frampton Cotterell (Park Ho.)	H. H. Harding, Esq.	5	1 0	158	29·8	30·75	204	147
D Badminton Gardens	The Head Gardener	5	1 0	407	..	35·42	193	164
d Almondsbury (Ridgewood)	R. E. Potter, Esq.	5	0 10	200	29·7	29·69	..	125
D Shipton Moyne P.S.	W. Gloucester Water Co.	8	1 0	314	..	32·71	199	155
6.—THAMES—Right Bank Tributaries. 17 sq. mi.								
7.—THAMES—Windrush & c. 340 sq. mi.								
D Somerford Keynes (Manor Ho.)	F. Fawcett, Esq.	5	0 9	340	27·9	26·32	179	151
D Fairford (Dunfield, Kempsford)	A. T. Iles, Esq.	5	1 0	260	25·6	28·30	195	145
D Lechlade (St. John's Lock)	Thames Conservancy	5	1 7	237	24·3	24·65	204	141
D Lechlade (Claydon House)	T. T. S. Metcalfe, Esq.	5	1 0	250	25·9	27·03	185	143
D Cirencester (R. Agric. Coll.)	The Principal	5	1 0	443	..	31·52	191	153
D Fairford (Draycott)	Miss F. A. Edwards	5	2 0	200	..	29·47	170	146
D Cirencester (Gwynfa)	Nigel Woods, Esq.	5	1 0	354	30·8	33·37	204	155
D Daglingworth Manor	J. Herbert Scrutton, Esq.	8	0 10	450	30·8	36·86	212	164
D Great Barrington	H. J. Barrett, Esq.	5	1 6	417	28·8	32·25	193	146
d Northleach (Sherborne House)	The Rt. Hon. Lord Sherborne	5	1 6	440	30·7	30·17	..	137
D Northleach (Leygore Manor)	Arthur E. Moss, Esq.	5	1 0	580	29·4	29·48	205	150
D Andoversford (Hampen House)	Rear Adm. J. S. Salmond, R.N.	5	1 0	730	..	32·91	189	153
D Bourton-on-Water (Eastfield)	E. W. Kendall, Esq.	5	1 6	434	30·1	31·86	174	144
D Bourton-on-Water (Chardwar)	Miss A. B. Moore	5	1 6	436	30·3	31·50	194	149
D Stow-on-the-Wold (Icomb Place)	Capt. G. H. Simpson Hayward	8	1 3	500	29·3	34·65	167	146
d Stow-on-the-Wold (Icomb Hill)	Capt. Alan Gee	5	0 10	600	..	34·21	..	148
D Winchcombe (Temple Guiting Ho.)	Major C. Stacey	5	1 3	700	31·6	35·40	202	155
HEREFORDSHIRE. (Area, 840 sq. mi.).								
1.—WYE. 685 sq. mi.								
D Goodrich Court Gardens	Mrs. G. R. Trafford	5	1 8	200	29·7	42·62	199	169
Walford (Hill Court Gardens)	Mr. D. Hawker	5	1 1	126	28·4	34·69	181	128
D Ross-on-Wye	(+A) F. J. Parsons, Mus. Bac. (M.O.)	5	1 0	223	28·2	33·14	187	133
D Ross (Birchlea)	Miss M. L. Southall	5	1 0	210	28·2	33·38	197	132
D Bridstow (Ashe Leigh)	Major W. Stanley R. Cox	5	1 0	220	27·4	33·22	197	147
D Kentchurch Rectory	Rev. R. P. Dansey	5	1 0	220	34·6	40·34	193	150
D Ross (The Chantry)	M. F. Maclean, Esq.	5	1 0	475	..	33·00	192	145
D Perrystone Court	Lt.-Gen. G. S. Clive, D.S.O.	5	1 3	450	25·5	31·97	192	146
D Vowchurch (Ladywell House)	A. S. Wood, Esq.	5	1 0	400	34·9	38·03	206	148
D Hereford (Belmont Abbey)	The Abbot	8	1 0	292	27·5	34·55	198	149
D Hereford (Breinton Court)	Mrs. R. E. H. Baily	5	1 0	238	25·9	(29·83)	191	139
D Tarrington (Aldersend)	J. H. Whiting, Esq.	5	1 2	360	..	30·07	192	144
D Dorstone (Oaklands)	Robert Gray, Esq.	5	1 0	486	..	41·89	210	152
d Bartestree (Pomona Fruit Farm)	The Secretary	5	1 0	270	..	29·27	..	132
D Hereford (Holmer Hall)	Miss M. S. Hopton	5	1 7	244	25·1	30·15	193	138
D Tyberton Court	Major C. B. Lee-Warner	5	0 10	276	..	35·88	173	141
D Credenhill (Stretton Sugwas)	Mrs. S. H. Armitage	5	1 0	226	25·8	32·99	197	153
D Credenhill	F. E. Whiting, Esq.	5	1 5	275	27·5	34·56	181	152
D Clifford School	The Headmaster	5	1 7	490	..	35·76	207	136
D Burghill (Hereford Co. Mental H.)	The Medical Superintendent	5	1 0	300	26·3	29·98	192	138
D Ocle Pychard (Ocle Court)	G. Cresswell, Esq.	8	1 0	298	27·8	31·29	204	135
Weobley (Garnstone)	Lt.-Col. R. N. H. Verdin	5	1 2	442	..	33·33	189	129
D Sarnesfield Court	Rev. W. Marshall	5	1 0	378	..	32·97	192	128
D Pembridge (Moor Court)	C. A. Benn, Esq.	5	1 6	400	..	33·46	174	135
D Pembridge (Burton Court)	Mrs. P. Clowes	5	1 6	400	28·4	32·61	207	150
d Bromyard (Birchyfields)	Lt.-Col. J. E. Knott, D.S.O.	5	1 3	545	..	31·84	(184)	(148)
D Bromyard (Dumbleton Cot.)	Miss M. A. Philpott	5	1 0	393	29·0	33·66	194	151
D Kington (Lynhales)	Mrs. R. F. Hibbert	5	1 0	620	32·8	36·38	208	144

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
HEREFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—Wye—(*con.*)								
Lyonshall (Castle Weir)	Col. H. R. Pettit	5	1 0	500	..	(36·57)	..	..
D Kington (Hill Court)	J. E. Barendt, Esq.	5	0 8	595	..	36·65	184	144
M Kington (Sunset)	H. Langston, Esq.	5	1 0	495	32·0	35·52	..	..
d Kington (Golf Club)	W. Griffiths, Esq.	5	1 0	1284	..	36·19	..	152
D Leominster (Hennor)	Capt. L. R. Hibbert	5	1 1	417	..	30·58	194	138
D Kimbolton (Grantsfield)	J. M. Hutchinson, Esq.	5	1 0	424	28·4	31·23	199	143
D Byton Rectory	Rev. P. D. Irwin	5	1 0	500	..	35·60	201	147
D Presteigne (Middlemoor)	A. M. Wilson, Esq.	8	1 0	480	..	36·06	203	150
2.—SEVERN.—Right Bank Tributaries. 155 sq. mi.								
d Ledbury (Donnington Hall)	Col. C. Spence-Colby, C.M.G.	5	0 6	240	..	31·13	..	132
D Much Marcle (The Mount)	Miss A. M. Charles	5	1 0	240	25·8	30·14	193	148
D Much Marcle (Hall Court)	Mrs. J. J. S. Powell	5	1 0	200	..	29·91	172	135
Ledbury (The Twerne)	L. J. C. Riley, Esq.	5	1 0	400	..	32·71	217	154
D Colwall (The Downs)	F. M. Day, Esq.	5	1 0	500	..	31·18	181	137
D Brampton Bryan School	The Headmistress	8	1 2	440	..	35·45	174	126
SHROPSHIRE. (Area, 1343 sq. mi.).								
1.—MERSEY.—Weaver. 27 sq. mi.								
2.—DEE. 30 sq. mi.								
D Ellesmere (Seven Sisters)	C. Adam, Esq.	5	1 0	300	..	28·43	191	132
D Whitchurch (Fenns Bank)	M. W. Sowden, Esq., C.E.	8	1 0	271	27·1	25·51	190	129
d Overton (Sodylt Hall)	W. H. Horsfall, Esq.	5	1 0	266	29·7	33·72	..	153
3.—SEVERN.—Right Bank Tributaries. 722 sq. mi.								
D Bucknell Vicarage	Rev. W. A. Woodhouse	5	1 0	480	..	33·62	188	145
D Ludlow (Hill Crest)	C. B. Marston, Esq.	5	1 3	350	..	32·65	189	144
d Bromfield (Oakly Park)	The Head Gardener	5	1 5	300	29·7	31·57	..	131
D Bromfield (Warwick House)	F. Brayshaw, Esq.	5	1 0	320	30·3	34·26	207	145
D Bitterley Grammar Sch.	The Headmaster	5	1 0	509	28·1	35·33	204	160
D Stanton Lacy Vicarage	Miss I. Armitage	5	1 0	304	28·1	33·86	195	144
D Culmington Manor	T. W. Shaw, Esq.	8	1 0	600	29·6	34·72	176	149
D Burwarton Hall	Rt. Hon. Viscount Boyne	5	0 9	894	33·6	41·13	179	168
D Craven Arms (Westhope Cottage)	Mrs. L. S. Swinnerton Dyer.	5	0 11	610	..	32·58	188	147
D Lydbury North	Erskine Edmonds, Esq.	5	1 0	500	..	34·26	182	151
D Lydbury North (Totterton)	Major W. H. B. Whitaker	5	1 6	700	30·8	34·46	229	168
D Bishops Castle (The Vicarage)	Rev. Canon H. J. Smith	5	1 7	596	32·8	32·95	190	143
D Bishops Castle (The Mount)	F. Lavender, Esq.	5	1 0	735	..	32·52	214	142
D Church Stretton (Sewage Works)	E. J. Marsh, Esq.	5	1 0	582	33·7	42·33	216	160
D Church Stretton (St. Margaret's)	Rev. J. H. Kidson	5	0 11	672	..	40·87	208	166
D Bridgnorth (Cantreyn)	W. Bayliss, Esq.	5	1 0	290	26·7	33·52	184	146
D Chirbury (Marrington Hall)	Lt.-Col. S. D. Price-Davies	5	1 0	490	29·5	31·54	180	137
D Church Stretton (Woolstaston)	Mrs. Mathews	5	1 3	745	31·9	40·54	201	150
d Broseley (Boys' School)	The Headmaster	5	0 8	485	..	35·32	..	..
D Cressage (Harnage Grange)	Lt.-Col. G. P. Pollitt	5	1 6	420	..	31·73	194	141
D Dorrington School	J. A. Narraway, Esq.	5	1 2	350	..	32·02	195	146
D Shrewsbury (Beckbury House)	G. H. Horsfall, Esq.	5	0 9	220	22·1	31·15	197	141
d Shrewsbury (Radbrook Hall)	Major D. D. Macpherson, J.P.	5	0 8	235	24·3	32·61	..	..
D Shrewsbury (Longden Road)	Miss M. Deedes	5	1 6	250	..	30·85	198	137
D SHREWSBURY (Monkmoor)	Medical Officer of Health	8	1 0	184	..	27·32	199	132
4.—SEVERN.—Left Bank Tributaries. 564 sq. mi.								
Bridgnorth (Coton Hall)	Capt. W. Colville	5	1 6	460	27·8	35·26	189	..
D Bridgnorth (Stanmore Hall)	The Hon. E. Hamilton-Russell	5	1 0	297	..	30·96	194	127
D Ackleton (The Folley)	H. J. Bath, Esq.	5	1 0	230	..	31·96	191	143
D Shifnal (Hatton Grange)	Mr. G. Risebrow	5	1 6	262	26·1	32·81	219	155
D Madeley (C. E. Schools)	The Headmaster	5	1 0	373	..	34·19	191	144
D Shifnal (Cosford W. W.)	B. L. McMillan, Esq., C.E.	5	0 11	222	..	30·79	183	140
d Wellington W. W. (Wrekin Res.)	W. Walker, Esq.	5	2 6	478	25·7	32·66	..	..
D Shrewsbury (Copthorne)	W. H. Purslow, Esq.	8	1 0	252	..	26·62	190	132
D Shrewsbury (Coton Hill)	Dr. M. Gepp	5	1 1	190	22·1	26·00	190	118
D Newport (Aston Hall)	Col. R. Leeke	5	0 11	280	27·7	29·12	179	133
Pentreheylin Hall	H. P. Hall, Esq.	8	1 2	200	..	31·08	..	..
D NEWPORT (Harper Adams Ag. Coll.)	The Principal	5	1 0	211	24·8	28·07	194	132
D Newport (Chetwynd Park)	Mrs. Burton Borough	5	1 0	240	28·3	28·58	189	144

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

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SHROPSHIRE—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—Severn—(*con.*)								
d Grinshill (Sansaw Hall Gardens)	Mrs. Brian Bibby	5	1 3	300	25·7	28·22	231	134
d Myddle (Marton Hall)	Capt. A. A. Sidney Villar	5	0 9	293	27·4	30·44	..	140
D Cheswardine (Knighton Res.)	Canal Engineer, L.M.& S.R.	8	1 0	351	30·0	30·14	197	148
d Wem (Senior Schools)	The Headmaster	5	0 9	260	..	32·31	..	154
D Cheswardine Hall	Col.R.C.Donaldson Hudson	5	1 6	530	29·1	31·78	197	151
D Oswestry (Mount Res.)	G. W. Lacey, Esq., C.E.	5	1 0	698	34·5	38·13	213	151
D Oswestry (Cross Street)	A. R. Mackavoy, Esq.	5	1 0	398	..	34·43	203	146
Market Drayton (Ches. J. San.)	Medical Superintendent	5	1 0	581	..	31·91	..	..
D Norton-in-Hales School	Chas. Chadwick, Esq.	5	1 3	350	30·5	34·01	194	159
STAFFORDSHIRE. (Area, 1,166 sq. mi.)								
1.—MERSEY—Weaver. 50 sq. mi.								
D Biddulph Grange	The Secretary	5	1 5	572	36·0	37·56	211	164
2.—SEVERN—Left Bank Tributaries. 160 sq. mi.								
D Kinver (Prestwood)	F. J. Dixon, Esq., C.E.	5	1 0	179	..	31·16	191	147
D Kingswinford (Ashwood P.S.)	F. J. Dixon, Esq., C.E.	5	1 0	207	24·9	29·91	195	142
D Wolverhptn. (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	5	0 9	323	..	27·92	177	132
D Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	1 0	430	27·1	31·97	192	140
D Tettenhall (The Hollies)	R. C. Sikes, Esq., C.E.	5	1 0	355	26·7	31·56	200	141
D Tettenhall Waterworks	B. L. McMillan, Esq.	5	0 10	468	..	31·31	196	143
D Shifnal (Weston Park)	Earl of Bradford	5	1 6	400	27·3	32·04	199	149
D Norbury Junction	Canal Engineer, L.M. & S.R.	8	1 0	331	28·0	27·54	184	138
D Market Drayton (Old Springs) *old g.*	F. E. Harding, Esq.	5	1 0	422	28·9	27·62	190	138
D Maer Hall Gardens	Miss Harrison, M.B.E.	8	1 6	390	32·5	38·02	183	170
3.—TRENT—Right Bank Tributaries. 513 sq. mi.								
D West Bromwich (+A)	D. Ellison, Esq., C.E.	8	1 7	543	26·2	32·55	185	153
D Wednesbury (Ocker Hill)	Birmingham Canal Navgtn.	5	1 0	476	26·6	32·86	187	144
D Walsall (Bescot Sewage Farm)	J. Taylor, Esq., C.E.	5	0 11	376	26·9	32·36	207	157
D Walsall (Wednesbury Sew. Wks.)	G. Wicks, Esq.	5	1 0	378	27·9	31·02	193	148
D Walsall (Pleck)	J. C. W. Day, Esq.	5	1 0	400	..	30·39	193	145
D Walsall (Gorway)	J. Cleland. Esq.	5	1 0	440	..	30·21	174	146
D Darlaston (Sewage Works)	S. E. Hammonds, Esq.	8	1 6	393	..	29·58	190	145
D Bilston (The Lunt Outfall)	A. F. B. Sidwick, Esq., C.E.	8	1 0	419	27·3	31·50	191	148
D Aldridge (Bourne Vale)	F. J. Dixon, Esq., C.E.	5	1 0	419	25·1	28·57	186	146
D Shenstone (Little Hay)	F. J. Dixon, Esq., C.E.	5	1 0	298	..	27·55	181	141
D Bloxwich (Sneyd Res.)	Birmingham Canal Navgtn.	5	1 0	507	25·5	31·23	219	152
D Brownhills (Sandhills)	F. J. Dixon, Esq., C.E.	5	1 0	407	..	27·84	182	145
D Brownhills *new g.*	S. Harrison, Esq., C.E.	5	1 8	492	26·4	30·45	173	148
D Chasetown	Cannock Chase Colliery Ltd.	5	1 0	508	..	31·82	187	150
D Brewood (Slade Heath P.S.)	F. J. Dixon, Esq., C.E.	5	1 0	340	24·9	29·75	174	134
D Hammerwich (Cannock Chase Res.)	Birmingham Canal Navgtn.	5	1 0	475	25·3	30·40	194	158
D Whittington (Old Hall)	E. R. Corn, Esq., J.P.	5	1 0	221	..	28·51	183	140
D Cannock (Longford Lane Sew. Wks.)	Cannock U.D.C.	5	1 0	400	..	26·87	186	129
D Cannock (Heath Hayes Sew. Wks.)	Cannock U.D.C.	5	1 0	530	..	31·34	176	155
D Brewood (Belvide Reservoir)	Canal Engineer, L.M.&S.R.	5	1 0	367	..	30·96	219	147
D Hednesford (Scout House)	F. J. Dixon, Esq., C.E.	5	1 0	702	..	32·91	211	152
D Rugeley (Longdon Lodge)	F. J. Dixon, Esq., C.E.	5	1 0	413	26·1	26·61	178	146
D Hednesford (Pye Green)	F. J. Dixon, Esq., C.E.	5	1 0	768	..	31·55	196	152
D Lichfield (Hanch Reservoir)	F. J. Dixon, Esq., C.E.	5	1 0	259	..	30·15	191	144
D Alrewas (C.E. School)	The Headmaster	5	0 4	150	..	29·14	172	138
D Brereton	The Headmaster	5	1 3	300	..	30·02	188	145
D Rugeley (Slitting Mill)	F. J. Dixon, Esq., C.E.	5	1 0	299	..	31·94	204	153
D Rugeley (Brindley Bank)	F. J. Dixon, Esq., C.E.	5	1 0	254	26·3	29·12	190	142
D Rugeley (Nethermoor)	G. H. Grummitt, Esq.	5	1 0	300	29·2	30·02	184	139
D Milford Waterworks	W. Plant, Esq., C.E.	5	1 0	246	27·5	29·94	195	144
D Stafford (Victoria Pleasure Gnd.)	W. Plant, Esq., C.E.	5	1 6	249	27·2	30·06	188	140
D Eccleshall (Johnson Hall)	Major W. Moat	5	1 2	400	27·5	29·22	198	153
D Yarlet Hall	K. E. Tarling, Esq.	5	1 0	405	..	31·90	179	143
D Eccleshall (Sugnall Hall)	C. E. Lowe, Esq.	5	1 0	430	..	32·67	199	160
d Stone (Meece House)	The Head Gardener	5	1 2	750	28·3	33·23	..	..
D Stone (Meaford Hall)	Lt.-Col. W. S. W. Parker Jervis, D.S.O.	5	0 10	325	29·9	39·88	225	173
D Standon (Hatton W.W.)	P. Wilkinson, Esq., C.E.	5	1 0	355	29·0	35·73	192	159
D Whitmore Pumping Station	L. M. & S. Rly.	5	1 0	325	..	33·79	184	146

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

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	STAFFORDSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—TRENT—Left Bank Tributaries. 193 sq. mi.								
D	Burton Reservoir	F. J. Dixon, Esq., C.E.	5	1 0	309	25·1	24·86	179	134
D	Burton (Shobnall)	Messrs. Bass & Co., Ltd.	5	1 0	157	24·6	24·45	200	138
D	Burton-on-Trent (Outwoods)	F. J. Dixon, Esq., C.E.	5	1 0	310	..	26·46	198	140
D	Burton (Borough Hospital)	Dr. J. M. Cowie	5	1 0	220	..	25·49	194	137
D	Stone (Alleyne's Grammar Sch.)	H. Malcolm Fraser, Esq.	5	1 0	415	29·4	33·98	209	150
D	Barlaston (Highfields)	His Hon. Judge Burgis	5	1 0	450	..	35·38	196	158
D	Longton (The Meir)	P. Wilkinson, Esq., C.E.	5	1 0	617	30·2	37·47	202	162
D	Hanley Sewage Works	W. H. Makepeace, Esq.,	5	1 0	386	..	34·24	199	153
	5.—TRENT—Dove. 250 sq. mi.								
D	Rocester (Dove Leys)	Sir Percival Heywood, Bt.	5	1 6	350	33·5	35·17	201	149
D	Oakamoor (Lightoaks)	M. A. Bolton, Esq.	5	1 6	650	..	37·87	204	159
D	MAYFIELD (+A).	Graham C. Lawson, Esq.	8	1 0	374	32·3	34·03	203	153
D	Ilam School	The Headmaster	5	0 8	450	..	47·74	218	189
D	Alstonfield (The Manor)	B. R. S. Pemberton, Esq.	5	1 0	925	39·1	46·24	235	182
D	Leek (Wall Grange P. Stn.)	P. Wilkinson, Esq., C.E.	5	1 0	456	34·7	36·50	203	162
D	Leek (Hillesdon)	A. Y. Worthington, Esq.	5	1 0	680	37·2	41·71	218	175
M	Leek (Withens, Upper Hulme)	W. E. Beacham, Esq., C.E.	5	1 1	1084	..	40·89?	..	..
	WORCESTERSHIRE. (Area, 732 sq. mi.)								
	1.—SEVERN—Right Bank Tributaries. 222 sq. mi.								
D	Upton-on-Severn (The Eades)	Roger D. Tennant, Esq.	5	0 9	100	26·9	30·83	213	146
D	Upton-on-Severn (Berryfield Ho.)	Miss R. V. Naish	5	1 0	50	..	28·19	181	141
D	Malvern (British Camp Res.)	W. Osborne Thorp, Esq., C.E.	5	1 0	677	28·5	30·32	174	123
D	Malvern (Barnard's Green)	W. Osborne Thorp, Esq., C.E.	5	1 0	130	..	33·51	178	130
D	MALVERN (Free Library)	W. Osborne Thorpe, Esq., C.E.	5	1 0	380	27·6	33·12	187	132
	Malvern (Alexandra Rd.)	C. Harinton Cotton, Esq.	8	1 2	360	..	31·98	193	140
D	Malvern (St. James' Road)	Rev. F. H. Fowler	5	1 3	300	..	32·62	181	142
D	Malvern (Clarendon School)	Miss E. M. Ingram, B.Sc.	5	1 0	500	28·3	29·16	163	124
D	West Malvern	W. Osborne Thorp, Esq., C.E.	5	1 0	832	28·9	31·20	188	136
D	Knightwick Sanatorium	Dr. H. Gordon Smith	5	1 0	300	25·9	31·08	190	140
D	Worcester (Diglis Lock)	J. E. Bradley, Esq.	5	1 0	49	24·7	27·31	188	128
D	Martley Rectory	Rev. J. F. Hastings	5	1 0	220	26·7	31·55	192	160
D	Shelsley Beauchamp	W. Lionel Moore, Esq.	5	0 10	132	..	30·57	167	139
D	Ombersley (Holt Lock)	J. E. Bradley, Esq.	5	1 1	55	25·3	28·18	176	147
D	Stanford Rectory	Rev. J. B. Hewitt	5	1 1	360	28·4	32·44	165	142
D	Stockton-on-Teme (Eardiston)	Miss M. Wallace	5	1 0	200	26·7	30·16	191	151
D	Stourport (Astley Town)	J. Armytage Batley, Esq.	5	0 11	175	25·5	30·92	210	155
	Stourport (Astley Town House)	F. J. Neale, Esq.	8	1 3	190	..	28·52	190	146
D	Stourport (Dunley Hall)	Sir Sidney Lea, Bt.	5	1 0	240	..	29·89	198	145
D	Bewdley (Winterdyne)	Miss K. M. Sturt	5	1 0	175	25·9	31·14	212	148
	2.—SEVERN—Left Bank Tributaries. 200 sq. mi.								
D	Earl's Croome (Levant Lodge)	F. W. Burnett, Esq.	5	2 0	110	26·3	29·49	195	151
D	Kempsey (Napleton Ho.)	Major H. Berkeley Hill	5	1 3	100	26·9	28·66	183	141
D	Kempsey Vicarage	Rev. E. B. R. de Jersey	5	0 9	50	..	30·71	190	136
D	Worcester (Waterworks)	W. Ransom, Esq., C.E.	5	1 0	52	23·2	27·47	179	126
D	WORCESTER (PERDISWELL)	The Agricultural Organiser	5	1 0	94	..	28·92	188	136
D	Worcester (Bevere Lock)	J. E. Bradley, Esq.	5	1 1	52	24·5	26·69	176	130
D	Droitwich (Sewage Works)	Borough Engineer & Surveyor	5	1 0	106	25·4	25·88	180	133
D	Bromsgrove (Tardebigge Res.)	A. J. Cullis, Esq., C.E.	5	1 0	455	27·5	33·37	197	159
D	Bromsgrove (Burcot P. S.)	F. H. Bullock, Esq.	5	1 0	432	..	31·30	180	153
D	Barnt Green (Upwood)	Miss M. Gibbins	5	1 0	650	..	34·67	213	165
D	Stourport (Lincombe Lock)	J. E. Bradley, Esq.	5	1 0	62	25·6	29·47	180	147
D	Bromsgrove (Washing Stocks P.S.)	F. H. Bullock, Esq.	5	1 0	366	..	29·16	185	152
D	Bewdley (C. E. School)	J. Bates, Esq.	8	1 0	70	26·4	29·47	181	135
	Rednal (Lickey)	Miss M. Wynne Thomas	5	1 0	900	..	34·25	..	..
d	Kidderminster (Pumping Stn.)	Sanitary Inspector	5	1 0	103	..	31·95	..	137
D	Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1 0	200	25·7	30·74	190	147
D	Bewdley (Elan Aqueduct)	J. W. Wilkinson, Esq., C.E.	5	1 0	91	26·7	33·62	189	143
D	Clent Hall	Miss H. M. Wilson	5	1 0	580	..	31·50	186	160
D	Wolverley (Hill Ho.)	J. Christopher Wilson, Esq.	5	0 9	250	..	32·68	191	148
D	Halesowen (Romsley)	F. J. Dixon, Esq., C.E.	5	1 0	614	30·6	34·42	194	156
D	West Hagley (Glenthorpe)	W. Nock, Esq.	5	1 0	400	28·1	31·76	194	157
D	Pedmore (The Dene)	T. Grazebrook, Esq.	5	0 9	340	26·5	29·61	192	153

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WORCESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—SEVERN—Left Bank Tributaries—(*con.*)								
D Stourbridge (Pumping Station)	G. P. Deeley, Esq.	8	1 0	212	27·1	34·27	188	142
D Netherton (Lodge Farm Res.)	Birmingham Canal Navgtn.	5	1 0	445	..	30·11	200	155
D Dudley (Priory Hall)	F. H. Gibbons, Esq., C.E.	8	1 0	584	..	32·18	194	148
D Dudley (Blue Coat Sen. Sch.)	S. Wright, Esq.	5	1 3	660	..	28·28	185	134
Dudley (Trindle House)	S. Staffs. Mines Drain. Comrs.	5	1 0	575	..	34·04	..	..
3.—SEVERN—Upper Avon. 251 sq. mi.								
D Bredon (The Croft)	Jasper Lambert, Esq.	5	1 1	120	24·5	28·43	194	137
D Broadway (Farncombe)	Capt. F. Burges, O.B.E.	5	0 5	850	..	29·95	184	152
D Birlingham Rectory	Rev. C. Price	5	1 0	70	..	(29·21)	173	136
D Evesham (Bengeworth)	Messrs. Ross Bros., Ltd.	5	1 0	128	22·9	25·36	166	124
D Evesham (Sewage Works)	J. Abbott, Esq., C.E.	5	1 9	85	22·6	26·07	174	125
D Evesham (High Street)	N. A. Field, Esq.	5	1 1	100	..	26·20	184	135
D Pershore (Three Springs)	C. A. Mumford, Esq.	5	3 0	50	..	28·38	185	131
D Pershore (Southern House)	Miss G. E. Lawson	5	2 3	70	22·2	27·99	173	139
D Evesham (Sheriff's Lench)	Dr. G. E. Harthan	5	1 0	350	..	27·32	168	125
Alcester (Cookhill)	T. Barber, Esq.	5	1 0	400	24·5	30·69	189	..
D Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1 0	469	27·7	32·44	197	156
d Alvechurch (Fairfield)	D. McMichael, Esq., J.P.	5	1 0	400	29·4	36·68	..	158
D Bromsgrove (Lr. Bittall Res.)	A. J. Cullis, Esq., C.E.	5	1 0	457	..	35·03	204	160
4.—THAMES—Windrush & c. 3 sq. mi.								
5.—TRENT—Right Bank Tributaries. 56 sq. mi.								
D Halesowen (Frankley)	J. W. Wilkinson, Esq., C.E.	5	0 10	571	30·7	34·12	212	161
D Northfield (Frankley Lodge Rd.)	A. A. Barnes, Esq., C.E.	5	1 0	548	..	34·76	207	157
D Oldbury (Barnford Hill Pk.)	W. Greenwood, Esq., C.E.	5	0 9	607	..	32·44	183	157
Dudley (Shavers End) No. 1†	F. J. Dixon, Esq., C.E.	5	1 0	745	..	33·73	194	151
WARWICKSHIRE. (Area, 944 sq. mi.)								
1.—SEVERN—Upper Avon. 640 sq. mi.								
d Long Compton (Weston Park)	Mrs. H. A. Warriner	8	1 0	510	26·5	29·77	..	130
D Tredington	N. H. Walton, Esq.	5	1 0	200	..	25·34	179	128
D Stratford-on-Avon (Crimscote)	Mrs. E. Canning	5	1 3	230	..	25·54	167	136
D Kineton (Kineton House)	J. Fielden, Esq., J.P.	5	1 6	280	..	26·70	195	135
d Stratford-on-Avon (Milcote)	F. W. Jones, Esq., C.E.	5	1 6	122	23·6	25·06	..	129
D Stratford-on-Avon (Thurlaston)	Miss M. A. Everard	5	1 0	134	24·2	24·65	186	135
D Stratford-on-Avon (Shottery Hall)	R. C. Carter, Esq.	8	1 0	140	23·9	25·06	162	136
Bidford (Moor Hall) (+A)	E. H. Cubberley, Esq.	5	1 0	125	24·0	24·58	171	122
d Temple Grafton Court	L. Lonsdale, Esq.	8	1 3	270	24·8	22·26	..	..
d Alcester (Ragley Hall)	Mr. C. Harding	5	1 0	270	25·8	27·08	..	147
D STRATFORD-ON-AVON (Clopton Ho.)	A. W. Beecham, Esq.	5	1 0	210	..	23·08	192	123
Ashorne (Victoria Cottage)	G. T. Osborn, Esq.	5	1 0	160	24·7	22·35	..	..
D Stratford-on-Avon (Snitterfield)	F. W. Jones, Esq., C.E.	5	1 6	274	25·2	24·22	184	133
D Southam (Stockton House)	G. B. Blyth, Esq.	6	1 6	394	23·1	24·35	183	135
D Studley College	The Headmistress	5	0 9	256	27·0	27·67	173	137
D Warwick Castle Gardens	Mr. H. F. Smale	5	1 0	197	25·3	25·71	190	136
d Warwick (Myton Lodge)	H. M. Blenkinsop, Esq.	8	3 0	174	..	(25·21)	..	..
D Warwick (St. Nicholas Pk.)	R. Wormell, Esq., C.E.	5	1 0	155	..	25·07	192	127
D LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health	8	1 0	163	24·0	23·78	174	130
D Leamington Spa (Campion Ter. PS.)	The Borough Engineer	5	1 0	215	..	24·47	172	133
D Leek Wootton (The Lodge)	W. F. Mitchell, Esq.	5	1 0	249	..	27·18	194	144
D Rugby (Frankton Manor)	Col. W. H. Biddulph, J.P.	5	1 0	350	..	28·30	167	130
D Dunchurch Hall	C. H. Cooke, Esq.	5	1 1	400	..	27·81	182	134
D Dunchurch Lodge Gardens	Major H. S. Cayzer	5	1 0	380	24·4	29·05	184	141
D Stretton-on-Dunsmore (Manor Ho.)	Mrs. Lister-Kaye	5	1 0	280	..	26·87	176	138
D Rugby (Bilton Grange)	Mr. L. W. Bass.	5	1 0	400	..	28·10	187	138
D RUGBY (Caldecott)	Headmaster, Rugby School.	5	1 0	390	25·6	27·18	189	133
D Rugby (Avon W.W.)	W. H. Spicer, Esq., C.E.	5	1 0	282	..	26·20	187	142
d Ryton-on-Dunsmore (Ryton Ho.)	Charles Browett, Esq.	5	1 2	260	26·0	28·50	..	133
D Coventry (Whitley P. S.)	City Engineer, Coventry	8	1 0	238	..	27·82	191	148
D Coventry (Stoke) (+A)	W. R. Griffiths, Esq.	5	1 0	267	..	28·12	182	139
D COVENTRY (City Hospital)	Medical Officer of Health	8	1 0	241	26·0	27·96	192	144
D Coventry (Rosehill)	Miss H. Rotherham	5	0 10	330	..	30·45	195	155
D Bedworth Waterworks	Waterworks Manager	5	1 1	337	..	34·90	176	136
D Astley Vicarage	Rev. I. F. H. Carr-Gregg	5	1 0	440	..	32·32	178	140

† Station previously in Staffordshire—2.

DIVISION VI—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WARWICKSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—THAMES—Windrush & c., 2 sq. mi.								
3.—THAMES—Cherwell. 15 sq. mi.								
4.—TRENT—Right Bank Tributaries. 287 sq. mi.								
D Coventry (Balsall St. C. Sch.)	The Headmaster	5	1 3	400	..	30·27	195	142
D Northfield (Wych Elm)	J. B. Shewell, Esq.	5	1 4	540	29·3	32·32	205	145
D Highters Heath Res.	J. W. Wilkinson, Esq., C.E.	5	1 0	517	..	33·18	191	147
D Northfield (Bartley Res. No. 1)	A. A. Barnes, Esq., C.E.	5	1 0	600	..	34·30	198	156
D Moseley (Cotton Lane)	U. A. Baker, Esq.	5	1 0	500	..	34·89	199	157
D Bartley (Bromwich Wood)	J. W. Wilkinson, Esq., C.E.	5	1 0	611	..	34·53	202	154
D Selly Oak (Bournville)	Messrs. Cadbury Bros., Ltd.	8	1 0	463	29·1	33·98	205	150
D Selly Oak (Shenley Fields Rd.)	Mrs. Neave	8	1 0	550	..	32·18	189	154
D Selly Oak (Frederick Rd.)	W. Garden, Esq.	5	1 0	540	29·2	34·46	199	149
D Birmingham (Sparkhill)	D. H. Owen, Esq.	5	1 0	425	28·1	32·92	189	150
D Birmingham (Edgbaston)	Midland Inst. (A. J. Kelley)	8	1 0	536	26·5	32·51	190	150
D Birmingham (Carpenter Road)	L. Ashby Bolton, Esq.	5	1 1	480	28·1	31·48	207	150
D Birmingham (Icknield Port)	Birmingham Canal Navgtn.	5	1 0	490	..	32·38	198	149
D Birmingham (Stechford)	Birmingham Drainage Bd.)	5	1 6	303	..	31·04	196	149
D Birmingham (Saltby S.W.)	Birmingham Drainage Bd.	5	1 0	292	..	31·02	185	147
D Nuneaton (The Quarry)	Miss K. E. Smith	5	1 0	321	..	32·98	198	156
D Ullesthorpe (High Cross)	J. Parker Toone, Esq.	5	1 0	..	..	31·15	199	146
D Birmingham (Handsworth Pk.) (+A)	The City Engineer	8	1 4	424	..	31·62	173	142
D Whitacre (Birmingham W.W.)	J. W. Wilkinson, Esq., C.E.	5	1 0	269	26·0	29·01	194	147
D Birmingham (Erdington)	J. W. Wilkinson, Esq., C.E.	5	1 0	442	..	30·27	193	147
D Birmghm. (Erdington, Spring Ln.) (+A)	The City Engineer	8	1 0	386	..	30·50	184	150
D Minworth Greaves	Birmingham Drainage Bd.	5	1 6	276	24·3	27·97	177	144
D Nuneaton P.S.	R. C. Moon, Esq., C.E.	5	1 3	269	..	30·12	181	141
D Nuneaton (Hartshill Sewage Wks.)	R. C. Moon, Esq., C.E.	5	1 2	288	..	28·37	169	142
D Sutton Coldfield (The Park)	Borough Surveyor	5	1 0	370	26·4	32·00	193	159
D Atherstone (Baddesley Coll.)	The Manager	5	1 6	495	..	30·08	185	143

DIVISION VII—NORTH MIDLAND COUNTIES.

LEICESTERSHIRE. (Area, 824 sq. mi.)								
1.—SEVERN—Upper Avon. 41 sq. mi.								
D Welford (The Reservoir)	Grand Union Canal Co.	5	2 0	430	25·1	28·15	201	154
D North Kilworth W.W.	Market Harborough U.D.C.	5	1 0	490	..	29·06	189	153
d Lutterworth (Waterworks)	The Surveyor	8	1 9	414	..	27·44	..	137
2.—WELLAND. 96 sq. mi.								
d Market Harborough (Nithsdale Av.)	G. C. Wooldridge, Esq.	5	1 0	260	..	27·95	(199)	(145)
D Market Harboro' (Shrewsbury Ave.)	P. J. Harris, Esq., B.Sc.	5	1 0	350	..	29·70	208	149
d Market Harboro' (Grammar Sch.)	P. J. Harris, Esq., B.Sc.	5	1 0	350	..	27·40	..	..
D Market Harborough (Rose Hill)	G. O. Nicholson, Esq.	5	1 0	350	24·7	29·99	180	140
D Kibworth Beauchamp	Dr. E. V. Phillips	5	1 0	390	25·7	32·72	189	162
d Horninghold Hall	W. R. Crabtree, Esq.	5	1 0	328	..	28·59	..	..
D East Norton	Mrs. F. A. Wortley	5	1 0	460	..	27·59	177	133
3.—WITHAM. 7 sq. mi.								
4.—TRENT—Right Bank Tributaries. 680 sq. mi.								
D Frolesworth	W. P. Widdowson, Esq.	5	1 0	370	..	27·28	186	132
D Hinckley (Bowling Green Rd.)	S. Webster, Esq.	5	1 0	300	..	30·83	199	152
D Hinckley (Edward Street)	E. H. Salter, Esq.	5	1 0	425	..	32·45	186	159
D Wistow Hall Gardens	The Lord Cottesloe, C.B.	5	1 0	309	23·6	28·86	181	149
D Countesthorpe (Wigston Sew. Fm.)	The Surveyor	8	0 9	257	22·8	28·90	223	137
D Leicester (London Rd.)	L. Herbert, Esq.	5	3 10	300	..	28·92	181	151
D Leicester (Stoughton Drive)	Theodore B. Ellis, Esq.	5	1 0	315	..	28·74	212	147
D‖ Leicester (Town Hall Square) (+A)	A. T. Gooseman, Esq., C.E.	5	1 0	212	..	25·90	180	136
D Leicester City Mental Hosp.	The Steward	8	1 0	266	24·2	27·71	176	138
D Leicester (Gilroes Cemetery)	A. T. Gooseman, Esq., C.E.	5	1 0	294	..	28·75	175	142
D Osbaston Hall	Sir Thomas Cope, Bart.	8	1 0	393	..	30·63	209	150
D Lowesby Hall Gdns.	A. King, Esq.	5	1 0	480	..	(24·62)	187	128

‖ Record too low, gauge over-sheltered.

DIVISION VII—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
LEICESTERSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Right Bank Tributaries—(*con.*).								
D Thornton Reservoir	G. T. Edwards, Esq., C.E...	8	1 2	370	26·2	32·01	178	153
D Cropston (Bradgate Res.)	G. T. Edwards, Esq., C.E...	8	1 0	245	27·2	29·90	188	154
D Barkby Hall	Victor R. Pochin, Esq.....	5	1 0	227	24·5	29·56	185	140
D Ulverscroft (Chitterman Ho.) *new g*	C. Booth, Esq.....	5	0 11	670	..	31·31	197	159
d Netherseal (Chilcote)	F. J. Dixon, Esq., C.E.....	5	1 0	240	..	26·23	..	..
D Swithland (The Brand)	G. T. Edwards, Esq., C.E...	8	1 0	171	26·0	28·80	174	136
d Ashby-de-la-Zouche	Miss A. I. Bayford.....	5	0 10	450	..	26·81	(188)	(144)
d Barrow-upon-Soar (The Mount)	Mrs. A. W. Marshall	5	1 6	..	23·6	(27·15)	(169)	(139)
D Charnwood Forest (Charley Hall)	Mrs. J. B. Martin.....	5	1 0	500	..	31·28	173	148
d Hoby (The Grange)	A. A. Ironside, Esq.....	5	1 0	235	..	(24·15)	(181)	(129)
D Asfordby Hill (Ironworks)	Stanton Ironworks Co., Ltd..	5	1 1	324	..	25·67	198	128
D Melton Mowbray (White Lodge)	H. K. Barker, Esq.....	8	1 6	237	22·9	27·70	204	139
d Charnwood For. (Blackbrook R.)	W. Granger, Esq., C.E.....	5	1 0	379	26·4	26·69	..	123
D Loughborough (Park Road)	W. Llewellyn Mold, Esq....	5	1 0	190	28·7	25·93	189	129
D Loughborough (Nanpantan Res.)(+A)	W. Granger, Esq., C.E. .	5	1 0	269	26·1	28·72	185	133
d Loughborough (Fairmount Drive)	B. N. Wale, Esq., B.Sc. ...	5	0 6	210	..	(25·87)	(172)	(131)
D Loughborough (The Widenings)	Mrs. A. Butler	5	1 0	197	24·5	26·99	199	144
d Loughborough (Sewage Farm)(+A)	W. Granger, Esq., C.E.....	8	1 0	135	23·1	(25·39)	(183)	(126)
d Burton-on-Wolds (Burton Hall)	Earl of Huntingdon	5	1 0	270	24·2	26·40	..	134
D Prestwold Hall Gardens	Mr. W. I. Coe	8	1 0	209	24·7	26·30	180	130
Scalford	Melton Mowbray, U.D.C. ..	8	0 10	343	..	28·80	..	..
D Grantham (Belvoir Cas. Gdns.)	The Duke of Rutland, K.G. .	8	1 0	259	25·1	28·47	171	133
RUTLAND. (Area, 152 sq. mi.)								
1.—WELLAND. 125 sq. mi.								
D Uppingham (Ridlington)	C. Wortley, Esq.....	5	1 0	534	25·3	29·07	179	142
D Ketton	C. F. Burroughes, Esq.....	5	1 0	106	..	23·69	183	126
D Hambleton Manor	Major J. Orr-Ewing, M.C...	5	1 0	400	23·9	27·96	179	144
2.—WITHAM. 5 sq. mi.								
3.—TRENT—Right Bank Tributaries. 22 sq. mi.								
LINCOLNSHIRE. (Area, 2,645 sq. mi.)								
1.—NENE. 99 sq. mi.								
D Tydd (North Level Sluice)	Mr. S. Watson	5	1 0	10	23·3	25·13	206	130
2.—WELLAND. 341 sq. mi.								
d Crowland	F. Husband-Clutton, Esq, M.R.C.S.	5	1 0	10	*21·9*	24·38	..	117
D Market Deeping (Wilsthorpe)	F. J. Smith, Esq.	8	1 0	51	*20·9*	24·74	177	130
D Spalding (Pode Hole)	H. Bain, Esq.....	8	1 3	12	23·5	25·81	228	123
D Bourne (Guthram)	F. S. Robins, Esq., C.E....	8	1 6	19	*21·1*	25·75	188	133
D Spalding (Weston St. Mary)	W. J. Atkinson, Esq.*	5	1 0	10	..	25·82	169	136
d Spalding (Spalding Marsh)	Messrs. Seymour Cobley, Ltd.	5	0 8	0	*21·6*	24·03	..	120
3.—WITHAM & C. 1085 sq. mi.								
d Stainby Rectory	Rev. W. L. de B. Thorold..	4	0 9	496	*24·5*	25·82	..	120
D Denton Manor	Sir C. G. E. Welby, Bt., C.B.	5	0 9	310	*25·6*	29·30	200	144
D Grantham (Saltersford)	A. E. Musgrave, Esq.....	5	0 6	188	*24·1*	27·01	187	137
D Grantham (Central School)	The Headmaster	5	0 8	191	..	27·34	177	131
d Newton	Culverthorpe Dairy Farms Ltd.	5	1 0	150	..	24·97	..	118
d Sleaford (Aisby)	Culverthorpe Dairy Farms Ltd.	5	1 7	260	..	25·41	..	126
D Wyberton (Tytton Hall)	V. A. C. Durand, Esq.	5	1 0	10	..	23·51	194	132
D Fishtoft School	W. Rimington, Esq.....	5	1 0	0	*20·8*	23·64	169	121
D Boston (Black Sluice, Skirbeck)	F. S. Robins, Esq., C.E.....	8	1 3	11	22·8	24·55	184	145
D Boston (Grand Sluice)	F. H. Tomes, Esq., C.E.....	8	0 9	17	*22·9*	23·59	170	131
D Boston (Bargate End)	A. O. Scrivener, Esq.....	8	1 4	9	*21·6*	23·08	176	123
d Leasingham Rectory	Rev. A. R. Tucker	5	1 6	100	..	25·61	..	126
D Cranwell (Aerodrome) (+A)	Officer-in-Charge	8	1 0	236	23·2	25·60	183	126
d New Leake (Lade Bank Engine)	V. A. C. Durand, Esq.....	5	1 0	10	*22·6*	23·60	..	114
D Carrington Grange	T. J. Ward, Esq.....	5	4 0	13	*23·4*	26·02	182	142
D Wellingore	Rev. Canon H. Powell Smith	5	1 0	246	*23·3*	28·04	211	136
D Boston (Eastville)	V. A. C. Durand, Esq.	5	1 0	10	..	23·52	186	117
D Carlton-le-Moorland	J. Brocklebank, Esq.....	5	1 2	50	*23·3*	26·70	189	134
D Blankney Hall Gardens	Mr. N. G. Cleaver.....	5	0 9	57	*24·0*	26·69	197	138
D East Kirkby (E. Kirkby Manor)	Capt. R. S. Fieldsend.....	5	1 0	35	*23·8*	26·96	199	135

* *Per* R. Nene Catchment Board.

DIVISION VII—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
LINCOLNSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—WITHAM & C.—(*con.*)								
d Revesby Reservoir	T. H. Tyson, Esq.	5	2 0	124	24·5	24·94	..	112
d Woodhall Spa (Waterworks)	W. Jeffrey, Esq.	5	1 0	45	..	25·21	..	138
D Woodhall Spa	J. Collins, Esq.	5	1 6	42	*23·4*	27·46	174	132
D Horncastle	F. J. Harvey, Esq.	5	1 0	120	*24·8*	24·84	207	117
D Lincoln (Swallowbeck)	W. R. Pennell, Esq.	8	1 0	34	*22·9*	26·23	192	127
D Bardney (Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	17	..	25·67	168	116
D Lincoln (Skellingthorpe Hall)	A. H. Bergne-Coupland, Esq.	5	1 0	40	23·1	28·22	181	145
D Sudbrooke (The Manor Ho.)	Miss A. M. Scorer	5	1 0	55	..	26·25	202	132
D Hackthorn Hall	Major W. C. Amcotts, M.C., J.P.	5	4 8	102	*23·2*	26·94	192	122
D Springthorpe Rectory	Rev. B. Davies	5	1 0	73	*23·6*	30·04	174	137
4.—GREAT EAU & C. 443 sq. mi.								
D Little Steeping	V. A. C. Durand, Esq.	5	1 0	10	..	24·49	171	122
D SKEGNESS (Marine Gardens)	The Surveyor	8	1 0	15	23·3	24·36	177	118
D East Keal Rectory	Rev. R. H. Simpson	5	1 0	180	*25·2*	25·13	191	124
D Spilsby	J. E. Bolt, Esq.	5	1 4	124	*26·3*	28·18	187	128
d Hagworthingham (Manor House)	W. W. Clark, Esq.	5	1 0	200	*27·2*	27·21	..	132
D Mablethorpe (Trusthorpe Hall)	I. N. Woodiwiss, Esq.	8	1 3	10	*25·2*	27·97	184	124
D Louth (Westgate)	J. W. Fenwick, Esq.	5	0 9	120	28·0	28·43	193	115
D Wold Newton Manor	W. Maurice Wright, Esq.	5	1 6	230	*27·2*	30·66	208	145
D Grainsby Hall	Mr. J. Butters	5	1 0	75	*27·2*	31·69	203	143
5.—HUMBER—Right Bank Tributaries. 428 sq. mi.								
D North Willingham House	Mrs. Charles Wright	5	3 0	125	*28·6*	33·05	227	167
D Glentham (Bishop Bridge)	A. R. Haynes, Esq.	5	1 1	20	..	26·63	175	128
D Brigg (Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	8	..	24·63	175	112
D Brigg (Thornholme)	E. I. Brown, Esq.	5	1 5	22	..	25·27	181	120
D Brigg (Wrawby Road)	A. R. Haynes, Esq.	5	1 1	22	*25·0*	25·29	172	119
D CLEETHORPES (Kings Parade)	The Engineer & Surveyor	5	1 0	23	*24·0*	25·69	182	115
D Grimsby (Little Coates, P.S.)	The Engineer & Manager	5	1 0	14	..	28·93	210	127
D Grimsby (Portland Place)	W. J. Wood, Esq., C.E.	5	1 8	13	*24·7*	30·97	212	154
D Grimsby (Westlands)	Major G. L. Bennett	5	1 0	23	*23·7*	27·18	177	121
D Brocklesby Park	Mr. J. Johnson	5	1 3	105	*27·0*	28·33	184	125
D Immingham (Compressor Stn.)	Grimsby R.D.C.	5	1 1	13	..	26·09	184	116
D Ulceby (Wootton Lodge)	H. M. Webb, Esq.	5	1 0	100	*27·1*	28·53	167	119
D Normanby	R. S. Long, Esq.	5	1 0	180	..	26·74	189	123
D Ferriby Sluice	F. Straw, Esq.	5	1 0	18	*24·5*	22·36	188	118
6.—TRENT—Right Bank Tributaries. 172 sq. mi.								
d Woolsthorpe	L. & N. E. Rly. Co.	5	1 3	182	*23·4*	25·86	..	124
D Torksey	Miss M. Burtt	5	3 0	18	*23·2*	31·12	180	138
d Gate Burton Hall	The Hon. Mrs. Sandars	5	4 0	97	*23·1*	29·16	..	117
D Scunthorpe (Brumby Senior Sch.)	The Headmaster	5	1 6	100	..	28·29	190	140
D Scunthorpe (Henderson Av. Sch.)	W. E. Ramsden, Esq.	5	3 6	140	..	26·62	173	131
7.—TRENT—Left Bank Tributaries. 77 sq. mi.								
D Wroot (S. Level Pump Station)	G. H. Simmons, Esq., C.E.	10	1 6	8	*21·7*	29·24	169	125
D West Butterwick (Croft House)	West Butterwick Drainage Bd.	..	.. ..	20	..	26·89	199	139
d Crowle (N. Level Pump Station)	G. H. Simmons, Esq., C.E.	5	2 0	10	*22·0*	25·43	..	..
d Crowle (Snowdrop Villa)	Crowle Drainage Board	5	1 0	17	..	25·78	(179)	(124)
NOTTINGHAMSHIRE. (Area, 843 sq. mi.)								
1.—WITHAM. 10 sq. mi.								
2.—TRENT—Right Bank Tributaries. 218 sq. mi.								
D SUTTON BONINGTON (Agric. Coll.)	(+A) The Principal	5	1 0	157	21·7	24·09	165	119
D Ruddington (Westlands)	J. D. Walker, Esq.	5	1 0	100	24·3	23·40	182	131
d Nottingham (Wilford Hill Res.)	F. W. Davies, Esq., C.E.	8	1 0	295	23·1	25·47	..	..
D East Bridgford	G. W. Beaumont, Esq.	5	1 0	150	..	25·12	171	129
D Newark	J. H. Clarke, Esq., C.E.	5	0 9	43	23·4	27·22	189	124
D Newark (Sewage Works)	J. H Clarke, Esq., C.E.	5	1 0	33	..	26·27	167	122
d North Collingham	Miss M. Bergne-Coupland	5	2 6	40	..	29·47	..	133
3.—TRENT—Derwent. 2 sq. mi.								
4.—TRENT—Erewash. 42 sq. mi.								
D Nottingham (Strelley)	Miss Edge	8	1 0	386	26·2	25·63	207	134
D Nottingham (STRELLEY Hall) *new g.*	Miss Edge	5	1 0	377	..	26·10	179	138
D Bulwell (Watnall Reservoir)	F. W. Davies, Esq., C.E.	8	1 0	468	29·0	28·18	175	142

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NOTTINGHAMSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—TRENT—Erewash—(*con.*)								
D Eastwood Waterworks	F. W. Davies, Esq., C.E.	8	1 3	243	25·9	28·91	201	141
d Eastwood Hall	Messrs. Barber, Walker & Co., Ltd.	5	1 0	218	..	27·75	(173)	(136)
D Eastwood (Moorgreen Res.)	L. & N. E. Rly. Co.	5	2 0	301	27·4	28·61	186	142
5.—TRENT—Left Bank Tributaries. 569 sq. mi.								
D ATTENBOROUGH	Messrs. Granger	8	1 0	89	..	24·32	201	122
D Beeston (Council Depot)	E. A. Bush, Esq.	5	1 0	121	24·5	24·30	171	127
d Bramcote Reservoir	F. W. Davies, Esq., C.E.	8	1 0	327	..	24·57	..	..
D Nottingham (Trent Lane) (+A.)	R. M. Finch, Esq., C.E.	8	1 0	83	22·5	24·42	187	128
D NOTTINGHAM (The Castle)	R. M. Finch, Esq., C.E.	8	1 0	192	23·6	23·31	189	127
d Nottingham (Colwick Hill Res.)	F. W. Davies, Esq., C.E.	8	1 0	314	..	25·55	..	..
d Nottingham (Stoke Bardolph)	R. M. Finch, Esq., C.E.	8	1 0	66	22·6	23·04	..	..
D Nottingham (Mapperley Hill)	The Medical Superintendent	8	1 0	400	24·9	25·65	199	129
D Bagthorpe (Isolation Hospital)	Dr. Cyril Banks	8	2 0	190	25·3	25·88	202	133
D Nottingham (Basford W.W.)	F. W. Davies, Esq., C.E.	8	1 0	168	24·3	24·25	188	126
D Burton Joyce Waterworks	F. W. Davies, Esq., C.E.	8	1 0	65	25·2	29·53	170	139
D Nottingham (Woodthorpe)	A. B. Tinn, Esq. F.R. Met. Soc.	5	1 0	225	..	26·72	206	129
d Bulcote (Corporation Farm)	R. M. Finch, Esq., C.E.	10	1 3	65	23·6	26·28	..	..
Lowdham (Chilwell Nurseries)	A. J. Pearson, Esq.	5	1 0	90	21·4	26·02	..	..
D Bulwell (Bestwood W.W.)	F. W. Davies, Esq., C.E.	8	1 0	312	25·7	25·62	197	132
D Daybrook (Red Hill Reservoir)	F. W. Davies, Esq., C.E.	8	1 0	404	26·8	27·66	231	138
D Daybrook (Ramsdale Hill Res.)	F. W. Davies, Esq., C.E.	8	1 0	504	28·1	29·75	224	134
D Bulwell Hall Park	R. M. Finch, Esq., C.E.	8	1 0	252	27·3	27·71	195	146
D Papplewick (Waterworks)	F. W. Davies, Esq., C.E.	8	1 0	317	27·0	30·86	187	145
D Southwell (The Residence)	Ven. Archd. W. J. Conybeare	5	1 0	100	24·7	28·59	174	138
D Southwell (The Nurseries)	H. Merryweather, Esq.	5	1 0	125	..	29·79	172	137
d Sutton-in-Ashfield (Rushley P.S.)	Messrs. G. & F. W. Hodson.	5	1 0	462	27·1	31·36	..	..
D Sutton-in-Ashfield (Sewage Wks.)	F. J. Grierson, Esq.	5	1 0	453	28·9	31·26	187	145
d Mansfield (Rainworth W.W.)	J. Gibson, Esq., C.E.	5	1 0	360	27·5	29·30	..	139
D MANSFIELD (Carr Bank)	Borough Surveyor	8	0 10	357	..	30·18	173	136
D Mansfield (Crow Hill)	W. Pickard, Esq.	8	1 0	405	27·6	32·85	201	141
D Clipstone Waterworks	J. Gibson, Esq., C.E.	5	1 0	225	25·9	26·87	174	130
Warsop	The Surveyor	8	1 0	192	..	28·88	219	136
D Ollerton (Boughton W.W.)	F. W. Davies, Esq., C.E.	8	1 0	141	24·6	30·84	191	126
d Ollerton (Thoresby Gardens)	Mr. A. J. Simmons	5	1 0	125	26·6	30·79	..	136
D Welbeck Abbey	Mr. Chas. Harris	8	0 10	196	..	29·03	204	142
D Clumber Gardens	The Agent	5	1 6	164	..	32·48	195	144
Elkesley Pumping Station	Lincoln W.W.	5	1 0	120	24·0	28·78	163	120
D Worksop (Bracebridge S.W.)	The Boro' Engineer	8	1 0	97	..	29·14	181	146
D Worksop (Osberton Gardens)	Head Gardener	5	1 0	70	23·8	24·20	191	128
d Retford (Morton Hall)	W. H. Mason, Esq.	9	1 0	140	23·7	28·67	..	128
D Retford (Sewage Disposal Wks.)	R. E. Wilson, Esq.	5	1 0	74	..	32·92	172	141
D Retford (Babworth Hall)	Major J. A. C. Whitaker	5	1 0	98	22·9	28·38	174	127
D Worksop (Wigthorpe Hill)	R. C. P. Ramsden, Esq.	5	1 0	100	23·7	27·64	182	133
D WORKSOP (Hodsock) (+A.)	E. Dixon, Esq.	8	1 0	56	23·6	26·44	184	129
D Harworth Colliery	Messrs. Barber, Walker & Co.	5	1 0	120	..	25·38	173	131
D Scrooby	J. Mallender, Esq., F.R.H.S.	5	1 0	44	23·1	26·44	211	130
D Bawtry Hall (The Gardens)	Mr. F. E. Hogbin	5	1 0	31	23·1	27·78	185	137
d Bawtry Council Sch.	J. Rushworth, Esq.	5	1 0	37	..	(27·71)	(189)	(138)
6.—OUSE—Don. 2 sq. mi.								
DERBYSHIRE. (Area, 1,017 sq. mi.).								
1.—MERSEY, UPPER. 93 sq. mi.								
D §Fernilee (Wythen)	T. Dearden, Esq.	5	1 0	1100	..	47·44	209	179
D Fernilee (Upr. Hall Farm)	T. Dearden, Esq.	5	1 0	960	..	47·45	212	184
§ Sett (Dimpus)	T. Dearden, Esq.	5	1 0	1250	..	53·71	..	..
§ Upper Sett	T. Dearden, Esq.	5	1 0	1420	..	57·83	..	..
§ Sett (Tunstead Clough)	T. Dearden, Esq.	5	1 0	1125	..	49·09	..	..
§ Hayfield (Cluther Rocks) *new site.*	T. Dearden, Esq.	5	1 0	1700	..	61·21	..	..
§ Kinder (Red Brook)	T. Dearden, Esq.	5	1 0	1950	..	65·56	..	..
§ Kinder (Source)	T. Dearden, Esq.	5	1 0	2050	..	68·21	..	..
D §Hayfield (Kinder Filters)	T. Dearden, Esq.	5	1 6	800	..	49·74	216	174
§ Kinder (Upper Moor)	T. Dearden, Esq.	5	1 0	1280	..	56·41	..	..
D §Kinder (Hollin Head)	T. Dearden, Esq.	5	1 0	950	..	53·30	217	179

§ Turf wall round gauge.

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	DERBYSHIRE—(*con.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—MERSEY, UPPER—(*con.*)								
§	Park Hall (Middle Moor)	T. Dearden, Esq.	5	1 0	1170	..	52·52	..	..
§	Ashop Clough (Sandy Heys)	T. Dearden, Esq.	5	1 0	2040	..	62·68	..	..
§	Hayfield (Leygateh'd Moor) *new site*	T. Dearden, Esq.	5	1 0	1530	..	51·56	..	..
§	Upper Hollingworth Clough	T. Dearden, Esq.	5	1 0	1625	..	52·32	..	..
D	Glossop W.W. (Swineshaw)	Geo. Faulds, Esq., C.E.	12	1 0	733	43·2	44·06	203	169
	Bleaklow Hill (Dowstone Rocks)	Manchester Corpn. W.W.	5	1 0	1718	..	63·06	..	..
	Bleaklow Hill (Far Black Clough)	Manchester Corpn. W.W.	5	1 0	1683	..	60·93	..	..
	2.—MERSEY—Weaver. 2 sq. mi.								
	3.—TRENT—Right Bank Tributaries. 68 sq. mi.								
D	Stanton-by-Bridge W.W.	H. Raven, Esq., C.E.	8	1 2	144	24·2	26·72	195	142
	4.—TRENT—Dove. 156 sq. mi.								
d	Rodsley Pumping Station	The Engineer	5	1 0	405	..	31·07	(206)	(155)
D	Ashbourne (Windmill Lane)	Rev. E. R. Redfern	5	1 4	535	..	33·56	180	153
D	Hognaston Vicarage	Rev. C. L. O'Ferrall	5	1 4	650	..	38·34	202	155
	5.—TRENT—Left Bank Tributaries. 84 sq. mi.								
d	Egginton	W. Bromley, Esq.	5	1 0	153	..	25·99	..	131
D	Etwall (Blakeley Lodge)	G. Edge Laban, Esq.	5	1 4	190	24·1	24·28	152	123
D	Etwall (Sewage Farm)	Mr. B. Hydes	5	1 8	201	23·2	26·18	179	135
D	Etwall Hall	Col. M. Dawson	5	1 3	235	..	26·09	182	143
	Shardlow	M. R. Evans, Esq.	5	1 0	111	..	25·03	..	..
D	Mickleover (C. Mental Hospital)	Medical Superintendent	5	0 9	320	24·4	26·14	182	137
D	Littleover (Hilltop)	E. McInnes, Esq.	5	1 0	346	25·8	28·96	202	150
	6.—TRENT—Derwent. 426 sq. mi.								
D	Spondon (Derby Sewage Wks.)	E. H. Bennett, Esq., C.E.	5	1 3	135	25·5	24·14	177	128
d	Spondon Hall	Sir H. Fowler, K.B.E., LL.D.	5	1 0	250	26·7	(25·17)	(174)	(129)
D	Derby (Park Grove)	Messrs. J. Davis & Son, Ltd.	5	1 0	198	..	27·86	184	137
d	Derby (L. M. & S. Railway)	F. J. Dutton, Esq.	5	1 0	156	25·1	25·45	(188)	(134)
D	Derby (Royal Infirmary)	A. Taylor, Esq.	5	1 0	211	26·3	28·82	189	163
D	Derby (The Arboretum) (+A)	E. H. Bennett, Esq., C.E.	6	1 6	196	26·2	25·73	198	138
D	Derby (Markeaton Park) (R)	E. H. Bennett, Esq., C.E.	5	1 6	190	..	27·62	193	141
D	Breadsall Priory	E. S. Haslam, Esq.	5	1 6	370	..	27·96	170	130
D	Duffield (The Kirkstyles)	Messrs. J. Davis & Son, Ltd.	5	1 0	235	28·3	34·52	196	156
d	Heanor(Denby)	J. R. Groom, Esq.	5	1 0	440	..	31·52	..	129
D	BELPER (Herbert Strutt SCHOOL)	The Principal	5	0 8	222	29·9	30·72	195	143
D	BELPER (Quarry Bank)	The late J. Hunter, Esq., C.E.	5	0 10	280	29·7	30·15	200	148
D	Ambergate Reservoir....No. 61	Derwent Valley Water Bd.	5	1 0	700	28·9	32·21	194	154
D	Wirksworth (Derby Road)	The Surveyor, U.D.C.	5	1 0	550	..	35·11	181	152
D	Whatstandwell (Meerbrk. Sough)	Messrs. G. & F. W. Hodson.	5	0 6	246	33·6	34·03	191	147
D	Brackenfield (Lindway Res.)	R. F. Ward, Esq., C.E.	5	1 0	595	31·9	33·34	188	151
D	Matlock Bath (Lower Tower)	Miss E. Chadwick	5	1 1	500	33·7	35·05	197	154
D	Matlock (Rockside Hydro.)	J. H. Goodwin, Esq.	5	1 0	637	32·6	32·98	195	146
D	Darley Dale (Whitworth Inst.)	E. Evans, Esq.	5	1 0	361	32·9	35·11	196	141
D	Clay Cross (Press Reservoirs)	Gilbert Frith, Esq.	8	1 8	810	31·7	32·57	205	150
M	Buxton (Hurdlow Top)	L. M. & S. Rly. Co.	8	1 10	1267	..	67·21	..	..
D	Chatsworth Gardens	Mr. J. G. Weston.	5	1 0	436	34·7	32·12	192	146
D	Baslow (Titheacre)	Mrs. S. E. Milner, O.B.E.	5	1 6	500	..	38·03	212	156
D	Buxton (Portobello Bar)	F. Langley, Esq., C.E.	8	1 0	1600	55·9	53·32	237	183
D	Buxton (Stanley Moor)	F. Langley, Esq., C.E.	8	1 0	1340	52·1	49·35	237	178
D	Buxton (Burbage Edge)	F. Langley, Esq., C.E.	8	1 0	1400	52·8	47·62	237	177
D	Buxton (Ashwood Dale S.W.)	V. Longbottom, Esq.	5	3 0	1010	..	48·12	224	173
D	BUXTON (Terrace Slopes)	The Town Clerk	8	1 0	1007	48·4	54·52	214	173
D†	Buxton (Lightwood)	F. Langley, Esq., C.E.	8	0 11	1191	..	46·75	225	173
D	Bamford (Engineer's Office) No. 60.	Derwent Valley Water Bd.	8	1 0	510	37·8	42·95	245	175
D	Bamford Filters.....No. 70A.	Derwent Valley Water Bd.	8	1 0	656	39·1	43·96	241	173
W	Froggatt Edge (Stoke Flat)	J. G. Bown, Esq.	5	1 0	924	36·5	40·00	..	..
D	Holmesfield (Barbrook Res.)	Gilbert Frith, Esq.	8	1 0	1080	35·6	39·89	237	170
	Holmesfield (White Edge)	Sheffield Corporation W.W.	5	1 0	1209	..	39·99	..	..
D	Burbage (Lower Burbage) (+A)	Sheffield Corporation W.W.	8	1 0	924	36·2	41·38	227	169
D	Hope (Cement Works)	Messrs. G. & T. Earle, Ltd.	5	1 0	580	..	43·47	192	153
D	Hope (Killhill Bridge).....No. 56.	D. W. Chadwick, Esq.	5	1 0	565	40·4	44·95	213	169
	Stanedge (Redmires)	Sheffield Corporation W.W.	5	1 0	1395	..	47·09	..	..

§ Turf wall round gauge. † Exposure unorthodox.

DIVISION VII—NORTH MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DERBYSHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
6.—TRENT—Derwent.—(*con.*).								
d Bamford (Yorkshire Br. Weir)	59A Derwent Valley Water Bd.	5	1 0	540	36·7	43·05	(198)	(152)
D Edale Mill	No. 84 Derwent Valley Water Bd.	5	1 0	725	..	48·45	233	174
Upper Booth	No. 85 Derwent Valley Water Bd.	5	1 0	950	..	53·00	..	..
Edale End	No. 83 Derwent Valley Water Bd.	5	1 0	632	..	47·16	..	..
Ladybower	No. 73. Derwent Valley Water Bd.	5	1 0	980	..	49·03	..	..
D Derwent Vicarage	No. 67A Derwent Valley Water Bd.	8	1 0	675	43·6	48·14	227	173
Hagg Farm	No. 81 Derwent Valley Water Bd.	8	1 0	715	..	52·44	..	..
D Ashop Weir	No. 80. Derwent Valley Water Bd.	5	1 0	793	..	60·14	248	187
D Fairholmes (Nursery)	No. 26A Derwent Valley Water Bd.	5	1 0	685	42·8	52·63	237	183
Middle Seal Clough	No. 79. Derwent Valley Water Bd.	5	1 0	1075	..	62·29	..	..
Nether Red Clough	No. 78. Derwent Valley Water Bd.	5	1 0	1370	..	69·13	..	..
Ashop Head	No. 43A Derwent Valley Water Bd.	5	1 0	1680	..	64·67	..	..
Ouzelden Clough	No. 75 Derwent Valley Water Bd.	5	1 0	890	..	55·37	..	..
Alport Moor (Alport Castles)	No. 82 Derwent Valley Water Bd..	5	1 0	975	..	59·68	..	..
w Derwent Dale (Birchinlee)	No. 23. Derwent Valley Water Bd.	8	1 0	890	50·3	56·52	..	..
M Lady Clough Moor	No. 41B Derwent Valley Water Bd.	5	1 0	1725	50·3	65·07	..	..
Featherbed Top	No. 77. Derwent Valley Water Bd.	5	1 0	1665	..	64·02	..	..
D Derwent Dale (Howden Dam)	.17 Derwent Valley Water Bd.	8	1 0	829	47·7	53·31	238	181
M Derwent Dale (Ridge Farm)	..13A Derwent Valley Water Bd.	5	1 0	883	52·4	59·02	..	..
M Westend Moor (Blacklow Cote)	15A Derwent Valley Water Bd.	5	1 0	975	51·3	58·80	..	..
M Alport Moor	No. 38B Derwent Valley Water Bd.	5	1 0	1770	54·4	70·32	..	..
Deep Grain	No. 74A. Derwent Valley Water Bd.	5	1 0	1350	..	63·58	..	..
M Derwent Dale (Slippery Stones)	62. Derwent Valley Water Bd.	5	1 0	908	49·4	53·56	..	..
M Broadhead Clough	No. 63. Derwent Valley Water Bd.	5	1 0	1005	52·8	57·68	..	..
Barrow Clough	No. 71. Derwent Valley Water Bd.	5	1 0	1330	..	67·11	..	..
7.—TRENT—Erewash. 50 sq. mi.								
D Long Eaton (Town Hall)	H. Raven, Esq., C.E.	8	0 10	105	23·4	24·42	187	138
d Ilkeston (New Stanton)	Stanton Ironworks Co., Ltd.	5	1 6	150	25·2	25·59	..	..
D Ilkeston (Sewage Works)	The Borough Surveyor	5	1 11	132	..	23·21	175	127
D Codnor (Cross Hill)	A. F. Pine, Esq.	5	1 0	394	27·7	31·30	195	148
D Codnor Park	L. M. & S. Rly. Co.	5	1 0	243	..	31·23	204	147
8.—OUSE—Don. 138 sq. mi.								
D Chesterfield (Walton San.)	Dr. A. Niven Robertson	5	1 0	450	29·5	31·67	186	141
D Chesterfield (Linacre Res.)	C. Boldry, Esq.	8	1 0	430	30·4	34·14	218	156
D Chesterfield (Linacre Res.)	C. Boldry, Esq.	5	1 0	475	29·7	32·85	218	156
D Chesterfield (Sewage Works)	S. Thornhill, Esq.	5	1 0	223	24·9	30·09	199	150
D Chesterfield (Crowhole Res.)	Gilbert Frith Esq.	5	1 0	605	..	32·89	178	151
D Horsley Gate	Miss E. Wilson	5	1 0	650	..	38·62	213	166
D Spinkhill (Mt. St. Mary's College)	Rev. L. Cardwell, S.J.	5	1 0	300	..	29·76	209	152

DIVISION VIII—NORTH-WESTERN COUNTIES.

CHESHIRE. (Area, 1,014 sq. mi.).

1.—MERSEY, UPPER. 187 sq. mi.								
D Langley (Twelve Ashes)	E. Hamson, Esq., C.E.	6	0 9	903	..	39·75	198	172
D Langley (Trentabank Res.)	E. Hamson, Esq., C.E.	6	0 9	854	..	39·75	197	170
D Langley (Bottoms Res.)	E. Hamson, Esq., C.E.	5	1 3	664	38·5	37·69	202	171
D Macclesfield (Leadbeaters Res.)	E. Hamson, Esq., C.E.	5	1 0	608	33·1	31·67	203	168
D Macclesfield (West Park)	E. Hamson, Esq., C.E.	5	1 0	500	34·1	35·50	197	163
D Rainow (The Clough)	Miss Anna Neave	5	1 3	815	34·4	36·72	211	172
D Knutsford (Hazelfield)	H. P. Ashworth, Esq.	5	1 0	213	30·3	33·17	197	151
D Alderley Edge (Elm Grove)	E. H. Morris, Esq.	5	1 0	300	..	31·82	196	158
D§ Taxal (Oldfield)	T. Dearden, Esq.	5	1 6	820	..	48·05	206	181
D Whaley Bridge (Taxal Lo.)	Mrs. Ramsden-Jodrell, C.B.E.	5	1 0	700	..	39·87	197	160
D Disley (Lyme Park) (A)	T. Dearden, Esq.	5	1 0	674	..	26·69	185	145
D Disley (Lyme Park) (B)	T. Dearden, Esq.	5	1 0	720	..	28·99	186	154
D Disley (Higher Stoneridge)	T. Dearden, Esq.	5	1 0	750	..	34·39	186	160
D Runcorn (Weston Point)	Weaver Navigatn. Trustees.	8	1 4	17	31·3	32·35	182	146
D Appleton Reservoir	Warrington W.W.	5	1 0	120	..	32·05	182	142
D Moore (Uplands)	Lt.-Com. G. K. Rylands, R.N., J.P.	5	1 0	120	..	28·91	183	131
D High Lane (Lyme View)	S. Arrowsmith, Esq.	5	1 0	602	..	30·96	197	153
D Thelwall (The Clough)	E. W. Reynolds, Esq.	5	1 0	95	31·4	31·88	208	153
D Thelwall Lea	E. H. Rideout, Esq.	5	1 0	90	..	29·18	182	142

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CHESHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—MERSEY, UPPER—(*con.*).								
D Altrincham (Norman's Pl.)	Miss G. A. Griffiths	5	1 0	150	..	30·52	191	148
Cheadle (Adswood)	R. W. Wright, Esq.	5	1 0	186	..	29·40	..	..
D Stockport (Isolation Hospital)	Medical Officer of Health	5	1 2	285	..	27·66	187	131
D Sale (Sewage Works)	The Manager	5	0 10	..	..	31·62	186	146
D Romiley (Greave)	F. Edwards, Esq.	5	1 0	510	..	35·17	213	167
Godley Reservoir,	Manchester Corpn. W.W.	5	1 0	488	..	35·29	200	156
D Dukinfield (Higher Reservoir)	M. T. B. Whitson, Esq., C.E.	8	1 6	495	..	29·79	187	142
D Dukinfield (Lower Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1 0	435	33·0	34·41	188	153
Torside (Clough Edge)	Manchester Corpn. W.W.	5	1 0	1452	..	53·93	..	..
Arnfield Reservoir	Manchester Corpn. W.W.	5	1 0	512	..	40·32	206	162
Rhodes Wood Reservoir	Manchester Corpn. W.W.	5	1 0	545	42·7	48·73	216	171
Hollingworth Hall Moor	Manchester Corpn. W.W.	5	1 0	1194	..	45·41	..	..
Torside Reservoir	Manchester Corpn. W.W.	5	1 0	669	..	49·71	224	179
D Stalybridge (Market Ground Yd.)	M. T. B. Whitson, Esq., C.E.	5	1 0	373	..	38·45	207	165
D Stalybridge (Brushes Filter Ho.)	M. T. B. Whitson, Esq., C.E.	5	1 6	615	39·2	42·37	206	162
Swineshaw Moor (Lees Hill)	M. T. B. Whitson, Esq., C.E.	5	1 0	1168	..	46·01	..	..
D Woodhead Reservoir	Manchester Corpn. W.W.	5	1 0	665	48·3	53·03	232	181
Arnfield Moor	Manchester Corpn. W.W.	5	1 0	1290	..	54·53	..	..
Crowden (Span Gutter)	Manchester Corpn. W.W.	5	1 6	1530	..	61·44	..	..
Pikenaze Moor (Audernshaw C.)	Manchester Corpn. W.W.	5	1 0	1148	..	64·49	..	..
Woodhead (Pikenaze)	Manchester Corpn. W.W.	5	1 0	926	..	55·94	..	..
Swineshaw Moor (Boar Flat)	Manchester Corpn. W.W.	5	1 0	1190	..	53·36	..	..
Westend Moor (Stonefold)	Manchester Corpn. W.W.	5	1 0	1691	..	65·91	..	..
Withens Moor (West Withens)	Manchester Corpn. W.W.	5	1 0	1382	..	69·18	..	..
Crowden (Meadow Clough)	Manchester Corpn. W.W.	5	1 0	1425	..	66·89	..	..
Long Ridge Moss (Near Broadslate)	Manchester Corpn. W.W.	5	1 0	1663	..	66·75	..	..
Longside Moss	Manchester Corpn. W.W.	5	1 0	1418	..	64·20	..	..
Upper Heyden	Manchester Corpn. W.W.	5	1 0	1708	..	68·01	..	..
Grains Moss	Manchester Corpn. W.W.	5	1 0	1573	..	67·60	..	..
2.—MERSEY—Weaver. 489 sq. mi.								
D Wirswall Hall	F. H. Illingworth, Esq.	5	1 2	505	..	30·08	188	135
D Nantwich (Baddiley W.W.)	Nantwich U.D.C.	5	1 0	231	28·3	34·04	173	143
D Nantwich (Dorfold Hall)	Weaver Navigatn. Trustees	8	1 0	190	28·8	33·39	214	156
D Nantwich (Reaseheath Hall)	Weaver Navigatn. Trustees.	8	1 0	130	29·1	30·14	207	144
D Crewe (Isolation Hospital)	Leonard Reeves, Esq., C.E.	5	1 4	181	27·6	29·60	181	150
d Sandbach School	The Headmaster	5	1 0	220	..	34·05	..	..
D Congleton (Sewage Works)	The Borough Surveyor	5	1 0	248	30·1	32·99	197	152
D Congleton (Buglawton Vic.)	Weaver Navigation Trustees	8	1 0	307	30·5	33·13	198	155
D Tarporley (Tirley Garth Gdns.)	Mr. J. B. Allan	5	3 6	450	30·0	31·52	198	148
D Middlewich	I.C.I. (Alkali) Ltd.	5	1 0	138	..	29·25	195	148
D Congleton (Swettenham Hall)	Weaver Navigation Trustee	8	1 0	260	..	28·25	194	153
D Middlewich (Bostock Hall)	Cpt. W. H. France-Hayhurst	5	1 0	157	30·3	31·06	180	147
d Delamere (Linmere)	Forestry Commission	8	0 9	250	..	(34·62)	(194)	(148)
D Hartford (Hollybank)	Giles Owen, Esq.	5	1 0	160	..	32·53	193	152
D Northwich (Sandiway, W.W.)	J. Birtwistle, Esq.	8	1 0	163	..	34·71	210	153
D Northwich (Hunts Lock)	Weaver Navigation Trustees	8	1 0	47	30·0	31·28	188	147
D Northwich (Winnington)	I.C.I. (Alkali) Ltd.	5	1 0	64	29·2	30·29	187	134
D Northwich (Lostock Gralam)	I.C.I. (Alkali) Ltd.	5	1 0	75	..	30·18	185	142
3.—MERSEY LOWER & C. 142 sq. mi.								
Tarporley (Willington Hall)	Major C. W. Tomkinson	5	1 0	220	29·4	32·57	184	134
D Mouldsworth	A. J. Robinson, Esq.	5	1 0	145	..	32·83	193	143
D Hooton Waterworks	A. J. Robinson, Esq.	5	1 0	97	30·3	31·47	192	149
D Eastham	H. B. Vernon, Esq.	5	1 0	100	31·9	32·35	195	144
D Crosshill Reservoir, *old g*	R. F. Baker, Esq.	5	1 0	237	..	33·09	193	147
D Crosshill Reservoir, *new g*	R. F. Baker, Esq.	5	1 0	212	..	31·57	193	147
D Prenton Waterworks	A. J. Robinson, Esq.	5	1 6	91	28·1	32·87	185	152
D Rock Ferry (High School)	L. Davies-Shiel, Esq.	5	1 0	100	..	30·41	179	148
D Birkenhead (BIDSTON OBS'Y.)(+A)	The Director	8	1 0	198	27·9	28·62	188	141
D HOYLAKE (Recreation Gd.)	The Surveyor	5	1 0	23	28·1	29·21	184	136
D WALLASEY (New Brighton)	Medical Officer of Health	5	1 0	57	29·7	30·02	182	138
4.—DEE. 127 sq. mi.								
D Eaton Hall Gardens	Mr. N. F. Barnes	5	1 0	72	26·9	30·30	193	156
D Eccleston	E. Wells, Esq.	5	1 1	94	26·8	31·56	194	146

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CHESHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—DEE—(*con.*)								
D Rowton (Holly Bank)	J. H. Salmon, Esq.	5	1 5	213	27·3	30·46	174	146
D Chester (Sewage Disp. Wks.)	C. Greenwood, Esq., C.E.	6	1 2	16	26·1	28·19	171	133
D Chester (Waterworks)	C. Wilfrid Bennett, Esq.	5	0 10	85	26·4	30·73	186	132
Burton	R. A. L. Billson, Esq.	5	1 0	210	..	29·84	..	..
D Neston (Vine House)	The late H. F. Russell, Esq.	5	1 0	111	27·4	30·49	191	140
D Heswall (St. Fillan's)	Capt. J. Deedes	5	1 0	40	..	27·06	183	138
D Heswall (Greta)	Dr. T. Guthrie	5	1 0	230	..	31·79	198	148
d West Kirby (Caldy Manor)	Mr. E. L. Barker	5	6 0	131	27·9	29·61	..	..
West Kirby (Hilbre House)	Egerton Macdona, Esq.	5	0 9	25	27·8	30·05	..	..
D West Kirby (Monk's Way)	Miss G. S. Kirkby	5	1 0	113	28·9	29·70	197	148
D West Kirby (St. Andrew's Vic.)	The Rev. E. F. Robson	5	1 0	25	27·9	28·37	182	138
D West Kirby (Deeside Nursery)	H. Ward, Esq.	5	1 6	45	..	29·44	184	141
SOUTH LANCASHIRE. (Area, 700 sq. mi.).								
1.—ALT & C. 103 sq. mi.								
d Litherland (Hatton Hill Pk.)	G. W. Ponsford, Esq., C.E.	5	1 0	59	..	31·09	..	..
d Ormskirk (Bickerstaffe P. Stn.)	C. Burton Ede, Esq., C.E.	5	0 9	128	33·2	32·52	(180)	(152)
d Ormskirk (Springfield P. Stn.)	C. Burton Ede, Esq., C.E.	5	0 11	70	33·1	32·55	(177)	(147)
D Formby (The Dunes)	J. Harold Coney Esq.	5	0 9	30	29·8	29·58	180	145
2—MERSEY, LOWER. 244 sq. mi.								
D Garston	Liverpool Corporation	5	1 0	81	30·7	31·21	192	153
D Garston (Grassendale Park)	A. G. Isaacson, Esq.	5	1 0	30	30·1	31·69	197	145
D Aigburth (Beech Lawn)	T. H. Edwards, Esq.	8	1 0	120	30·0	30·35	194	149
D Liverpool (Lark Lane)	Liverpool Corporation	5	9 1	90	..	30·16	187	155
D Liverpool (Smithdown Road)	Liverpool Corporation	5	1 0	135	31·7	30·82	191	159
D Liverpool (Monument Pl.) (+A)	Liverpool Corporation	5	1 3	124	..	30·87	187	143
D Liverpool (Rathbone Road)	Liverpool Corporation	5	1 0	198	34·3	33·87	208	166
D Liverpool (Breckside Park)	Liverpool Corporation	5	0 9	132	33·2	32·88	190	168
D Liverpool (Queens Drive)	Liverpool Corporation	5	1 0	119	33·3	33·56	199	154
D Warrington (Howley Yard)	The Borough Surveyor	10	5 1	26	..	28·56	168	138
D Irlam (Sewage Works)	The Engineer	5	1 0	42	..	31·03	177	149
D Winwick P. Stn.	Warrington W.W.	5	1 0	115	..	32·22	187	145
D St. Helens (Eccleston Hill)	A. P. Statham, Esq., C.E.	12	1 0	265	33·6	32·72	197	149
D St. Helens (Victoria Park)	Dr. F. Hauxwell	8	1 5	160	33·9	32·98	195	149
d Earlestown (Newton Cemetery)	T. E. Clough, Esq.	5	1 0	75	33·6	30·85	..	..
d Lowton (Newton Road)	G. H. Coe, Esq.	5	2 0	121	..	35·93	..	146
D St. Helens (Windle Hall)	W. H. Pilkington, Esq.	5	1 0	180	..	33·89	198	157
D Leigh (Sewage Works) (+A)	D. Ledson, Esq.	5	1 0	67	32·6	32·41	189	141
3.—MERSEY—Irwell. 299 sq. mi.								
D Stretford (Sewage Farm)	Stretford U.D.C.	8	1 1	65	..	30·46	186	146
D Stretford (Longford Yard)	Stretford U.D.C.	8	1 1	87	..	30·53	187	135
d Manchester (Hullard Park)	Stretford U.D.C.	8	1 1	100	32·4	32·54	..	143
D Manchester (Old Trafford)	Stretford U.D.C.	8	1 1	107	..	28·35	180	138
D Urmston (Sew. Wks., Davyhulme)	Manchester Cor., Rivers Dpt.	8	1 0	72	30·9	30·44	174	142
D MANCHESTER (BARTON AIRPORT) (+A)	Meteorological Officer.	8	1 0	70	..	31·81	201	143
D Patricroft (Eccles Sewage Wks.)	C. J. Girling, Esq.	5	1 0	72	30·3	29·53	187	137
D Eccles (Cavendish Grove)	T. G. Barlow, Esq.	5	1 0	91	..	33·92	189	150
D MANCHESTER (OLDHAM ROAD)	Medical Officer of Health	5	1 0	191	34·3	34·13	189	147
D MANCHESTER (WHITWORTH PARK)	Manchester University	8	1 0	125	31·7	31·66	195	151
D Ashton-und.-Lyne (Knott H. Res.)	M. T. B. Whitson, Esq., C.E.	8	1 0	605	..	39·17	218	168
D Clifton (Manchester Road)	G. S. Wood, Esq.	5	1 0	265	..	34·26	191	147
D Prestwich Sewage Works	H. T. Ainsworth, Esq., C.E.	8	0 10	150	36·6	37·09	196	155
Prestwich Res.	Manchester Corpn. W.W.	5	1 0	357	..	36·96	200	157
D Prestwich (Heaton Park)	Manchester Corporation	8	1 0	312	36·8	36·16	200	151
Prestwich (Heaton Park Res.)	Manchester Corpn. W.W.	5	1 0	355	37·1	37·05	203	155
D Oldham Gas Works	Ernest Parry, Esq., C.E.	5	5 9	602	39·0	41·94	226	165
D Oldham (Brushes Clough) No. 3	C. J. Batley, Esq., C.E.	5	1 0	921	46·7	50·16	222	175
D Royton (Public Park)	The Engineer and Surveyor.	5	1 0	502	..	42·38	213	172
D BOLTON (Queen's Park) (+A)	The Corpn. (E. Hendy)	5	1 0	342	43·1	47·47	210	167
d Bolton (L.M.S.R.) No. 1	L. M. & S. Rly. Co.	5	1 0	299	..	46·05	..	..
D Bolton (Heaton Reservoir)	Bolton Corporation W.W.	5	1 0	500	43·5	46·44	209	169
Bolton W.W. (Harpers Farm)	Bolton Corporation W.W.	5	1 0	872	..	42·38	..	..

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	SOUTH LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—MERSEY—Irwell.—(*con.*).								
D	Bolton (Bloomfield, Heaton)	Mrs. F. Taylor, J.P.	5	1 0	530	43·1	47·20	221	170
D	Bolton (Smithills Hall)	N. V. Ainsworth, Esq.	8	1 2	510	46·1	51·87	197	168
D	Bury (L.M.S.R.) No. 5.	L. M. & S. Rly Co.	5	1 0	294	..	41·14	197	153
D	Bury (Greenhill Road)	R. Moore, Esq.	5	2 7	399	..	44·37	187	155
D	Bury (Parsons Lane)	Irwell Valley Water Bd.	5	9 6	316	42·4	42·37	192	161
D	Bury (Bridge Hall)	Miss C. Wrigley	8	1 0	..	42·2	45·13	200	165
D	New Hey (Sewage Works)	Mr. J. B. Ogden	8	1 0	513	41·6	46·32	205	164
D	Milnrow (Butterworth Hall)	C. J. Batley, Esq., C.E.	5	1 0	512	43·8	50·97	236	176
D	Milnrow (Piethorne, Kitcliffe)	C. J. Batley, Esq., C.E.	5	1 0	766	..	50·60	220	175
D	Milnrow (Piethorne, Coldgreave)	C. J. Batley, Esq., C.E.	5	1 0	832	46·3	51·74	229	173
D	Rochdale (Roch Mills Sew. Wks.)	S. H. Morgan, Esq., C.E.	8	1 1	363	44·5	41·45	220	163
D	Rochdale (Broadfield Pk. Obsy.)	Medical Officer of Health	8	0 8	472	43·9	40·41	214	167
D	Rochdale (Fieldhead Yard)	S. H. Morgan, Esq., C.E.	8	1 0	473	44·8	45·81	200	171
D	Rochdale (Ashworth Moor Res.)	Heywood Water Board	5	1 2	956	..	46·48	219	164
	Bolton (Egerton House) *old g*	E. H. Ashworth, Esq.	5	1 0	633	49·6	52·71	..	..
	Bolton (Egerton House) *new g*	E. H. Ashworth, Esq.	5	1 0	633	48·8	54·11	..	..
D	Bury (Gin Hall) No. 1.	Irwell Valley Water Bd.	5	1 0	475	43·7	49·41	208	163
D	Bury (Gin Hall) No. 2.	Irwell Valley Water Bd.	5	1 0	475	44·5	48·06	208	163
	Bolton (Smithills Moor)	N. V. Ainsworth, Esq.	5	1 0	1375	..	60·90	..	..
W	Bolton (Smithills Moor) *new site*	N. V. Ainsworth, Esq.	5	1 0	1350	..	56·08	..	..
D	Bolton W.W. (Springs) No. 2.	Bolton Corporation W.W.	5	1 0	810	54·5	59·81	229	179
	Bolton W.W. (Eagley) No. 4.	Bolton Corporation W.W.	5	1 0	546	52·3	58·16	..	..
D	Turton (Turton Tower)	Turton U.D.C.	5	1 0	584	..	54·68	221	171
M	Bolton W.W. (Hordern)	Bolton Corporation W.W.	5	1 0	1160	53·6	57·64	..	..
D	§Bolton W.W. (Delph)	Bolton Corporation W.W.	5	1 0	710	51·2	58·84	233	178
M	Bolton W.W. (Longworth)	Bolton Corporation W.W.	5	1 0	770	52·4	56·11	..	..
D	Bolton W.W. (Wayoh) No. 3.	Bolton Corporation W.W.	5	1 0	608	51·6	56·69	223	168
	§Bolton W.W. (Holden's Farm)	Bolton Corporation W.W.	5	1 0	955	52·1	55·46	..	..
	Bolton W.W. (Top-o'-th'-Brow)	Bolton Corporation W.W.	5	1 0	935	55·2	58·59	..	..
D	Bolton W.W. (Entwistle) No. 2.	Bolton Corporation W.W.	5	1 0	692	53·2	59·98	222	167
	Bolton W.W. (Bromley Heys)	Bolton Corporation W.W.	5	1 0	925	51·5	58·65	..	..
	§Bolton W.W. (Hulton Pasture)	Bolton Corporation W.W.	5	1 0	1130	49·7	54·26	..	..
	§Bolton W.W. (Moorside)	Bolton Corporation W.W.	5	1 0	850	50·2	52·75	..	..
	Bolton W.W. (Clough) No. 2.	Bolton Corporation W.W.	5	1 0	1025	55·0	59·82	..	..
	Bolton W.W. (Cranberry Moss) 2.	Bolton Corporation W.W.	5	1 0	982	53·0	59·52	..	..
M	Bolton W.W. (Slater Lane)	Bolton Corporation W.W.	5	1 0	985	51·8	55·01	..	..
	Bolton W.W. (Brown Lowe)	Bolton Corporation W.W.	5	1 0	1200	51·8	58·97	..	..
	Bolton W.W. (Longshoot)	Bolton Corporation W.W.	5	1 0	930	..	59·39	..	..
	Bolton W.W. (Uglow) No. 2.	Bolton Corporation W.W.	5	1 0	1090	51·1	53·59	..	..
D	Rochdale (Hamer Pasture Res.)	Rochdale Corporation W.W.	5	1 0	760	48·6	52·66	231	171
D	Rochdale (Naden Filters)	Heywood Water Board	5	1 0	761	..	51·37	197	167
M	Norden (Higher Red Lumb)	Heywood Water Board	5	1 3	1125	..	50·13	..	..
W	Norden (Far Knowl Farm)	Heywood Water Board	5	1 3	..	47·2	53·59	..	..
W	Rochdale (Naden Dean) *old g*	Heywood Water Board	5	1 4	948	..	42·95	..	..
W	Rochdale (Naden Dean) *new g*	Heywood Water Board	5	1 4	948	..	46·45	..	..
D	Littleborough (Longden End)	C. J. Batley, Esq., C.E.	5	1 0	751	47·4	51·52	226	172
D	Littleborough (Hollngwrth Lke)	C. J. Batley, Esq., C.E.	8	1 0	610	40·6	43·36	216	162
d	Littleborough (Broadhead)	C. J. Batley, Esq., C.E.	8	1 0	1337	..	44·53	(232)	(173)
D	Littleborough (Blackstone Edge)	C. J. Batley, Esq., C.E.	8	1 0	1268	45·0	45·36	232	173
D	Littleborough (Uppr. Chelburn.)	C. J. Batley, Esq., C.E.	8	1 0	725	47·5	48·85	237	172
D	Littleborough (Chelburn)	C. J. Batley, Esq., C.E.	8	1 0	700	..	40·40	237	162
M	Ramsbottom (Killgate Brook)	Heywood Water Board	5	1 0	978	..	51·29	..	..
d	Ramsbottom (L.M.S.R.) No. 3.	L. M. & S. Rly. Co.	5	0 11	418	47·7	52·88	..	..
M	Ramsbottom (Cheesden Barn)	Heywood Water Board	5	1 0	997	..	48·79	..	..
D	Edenfield (Rochdale Rd.)	Irwell Valley Water Bd.	5	1 0	665	..	55·48	212	164
D	Edenfield (New Hall Nurseries)	Irwell Valley Water Bd.	5	1 0	800	..	56·85	213	168
D	Edenfield (Scout Moor Res.) No. 2.	Irwell Valley Water Bd.	5	1 0	1275	..	58·96	218	164
D	Waterfoot (Cragg Reservoir) *new site*	Bacup Boro' Council	5	1 0	1325	..	57·93	238	180
D	Waterfoot (Cowpe Reservoir) *new site*	Bacup Boro' Council	5	1 0	925	..	59·99	238	188
D	Rochdale (Spring Mill Whitworth)	Rochdale Corporation W.W.	5	1 0	720	51·5	56·49	207	182
D	Wardle (Watergrove Mill)	Rochdale Corporation W.W.	5	1 0	775	..	58·32	201	176
D	Rochdale (Cowm, Whitworth)	Rochdale Corporation W.W.	5	1 0	762	51·5	59·71	196	188

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SOUTH LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—MERSEY, Irwell.—(*con.*).								
D Helmshore (Clough House)	A. C. Cullen, Esq.	5	1 0	650	50·3	55·24	212	170
D Haslingden (Holden Wood) No. 1.	Irwell Valley Water Bd.	5	1 0	670	52·1	57·14	212	175
D Haslingden (Holden Wood) No. 2.	Irwell Valley Water Bd.	5	1 0	670	51·4	54·79	213	167
D Haslingden (Calf Hey) No. 1.	Irwell Valley Water Bd.	5	1 0	800	50·9	56·55	214	171
D Haslingden (Ogden) No. 1.	Irwell Valley Water Bd.	5	1 0	740	..	53·38	213	165
D Haslingden (Ogden) No. 2.	Irwell Valley Water Bd.	5	1 0	740	..	55·56	214	171
D Bacup (Sheephouse Res.) *new site*	Bacup Boro' Council	5	1 0	975	..	56·81	227	171
D Bacup (L.M.S.R.) No. 4.	L. M. & S. Rly. Co.	5	1 0	875	47·1	52·33	235	171
D Rawtenstall Cemetery	J. Johnson, Esq.	8	1 1	572	49·1	49·31	182	157
d Haslingden (L.M.S.R.) No. 2.	L. M. & S. Rly. Co.	5	1 0	715	..	48·46	..	..
D Rawtenstall (Cloughbottom) No. 1.	Irwell Valley Water Bd.	5	1 0	1025	46·7	53·18	205	185
D Rawtenstall (Clowbridge Res.) No. 1.	Irwell Valley Water Bd.	5	1 0	930	48·7	55·95	198	171
D Rawtenstall (Clowbridge Res.) No. 2.	Irwell Valley Water Bd.	5	1 0	930	50·6	59·66	198	171
4.—MERSEY, UPPER. 54 sq. mi.								
D Didsbury (Linden Road)	L. G. King, Esq.	8	1 6	110	31·0	30·43	184	142
D Northenden Sewage Wks.	Manchester Cor., Rivers Dpt.	8	1 0	81	..	28·84	185	140
D MANCHESTER (BURNAGE SCHOOL).	Manchester Education Com.	5	1 0	147	..	29·76	182	139
D Chorlton-cum-Hardy Sew. Works.	Manchester Cor., Rivers Dpt.	8	1 0	95	30·5	28·15	180	139
D Fallowfield (Platt Field Park)	Manchester Corporation	8	1 0	118	30·6	29·39	176	144
Denton Reservoir	Manchester Corpn. W.W.	5	1 0	306	..	33·82	200	156
Gorton Reservoir	Manchester Corpn. W.W.	5	1 0	263	..	35·05	190	163
D Ashton-u-Lyne (Henrietta St. Yd.)	M. T. B. Whitson, Esq., C.E.	7	1 0	394	37·2	37·09	189	157
D Lower Swineshaw Reservoir	M. T. B. Whitson, Esq., C.E.	8	1 6	884	43·6	43·37	200	171
Swineshaw Moor	M. T. B. Whitson, Esq., C.E.	5	1 0	1340	..	52·84	..	..
D Mossley (Manor House Yard)	M. T. B. Whitson, Esq., C.E.	5	1 0	636	41·5	43·29	209	174
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)								
1.—RIBBLE & C. 326 sq. mi.								
Darwen (Spring Bank)	T. Anderton, Esq.	5	1 0	710	..	57·40	..	..
D Darwen (Sunnyhurst Hey Res.)	E. Marsden, Esq., C.E.	8	1 0	915	49·5	51·83	226	179
D Darwen (Earnsdale Reservoir)	E. Marsden, Esq., C.E.	8	1 0	705	47·4	52·74	226	179
D DARWEN (Bold Venture Park)	Medical Officer of Health	8	1 1	724	50·1	56·64	238	180
D Darwen (Hoddlesden) No. 1.	W. Pickstone, Esq., C.E	8	1 6	680	49·1	51·52	220	160
D§Darwen (Daisy Green) No. 1.	W. Pickstone, Esq., C.E.	8	1 6	969	..	52·56	220	185
D§Darwen (Pickup Bank) *new g* No. 2.	W. Pickstone, Esq., C.E.	8	1 6	727	..	54·78	221	177
D Withnell No. 2.	L. C. King-Wilkinson, Esq.	5	1 3	535	..	43·00	212	155
d Brindle (Whiteholme)	Mrs. Victor H. Gatty	5	1 8	315	39·3	38·88	..	..
D Haslingden (Mitchell's Ho. Res.)	A. J. Harrison, Esq.	5	1 6	950	45·0	51·33	223	172
D Haslingden (Mitchell's Ho. Res.) No. 2.	A. J. Harrison, Esq.	5	1 6	984	..	47·36	220	170
D Blackburn (Guide Reservoir)	W. Pickstone, Esq., C.E.	8	1 6	610	44·9	44·02	205	175
D Blackburn (Witton)	W. Pickstone, Esq., C.E.	8	1 6	315	42·0	35·59	195	146
D Blackburn (Fever Hosp.)	W. Pickstone Esq., C.E.	8	1 6	570	..	41·55	225	173
D HUTTON (Lancs. C.C. Hort. Stat.)	The Director of Education	5	1 0	82	..	36·48	179	144
D St. Anne's-on-Sea (South Side)	Dr. J. P. Litt.	5	1 0	25	31·4	32·95	178	137
D Accrington (Oak Hill Park). (+A)	The Borough Engineer	5	1 0	645	..	47·19	215	159
D Preston (Moor Park) (+A)	Preston Corporation	8	1 0	110	35·3	38·42	204	150
D Samlesbury Sewage Works	W. Pickstone, Esq., C.E.	8	1 6	240	36·9	36·99	209	155
w Causeway Side (Burnley W.W.)	J. Shepherd, Esq.	8	1 0	1116	41·7	46·93	..	..
w Sheddin (Burnley W.W.)	J. Shepherd, Esq.	8	1 0	960	41·9	45·61	..	..
D Cant Clough S. Side (Burnley W.W.)	J. Shepherd, Esq.	8	1 0	900	42·3	44·25	215	165
D Cant Clough N. Side (Burnley W.W.)	J. Shepherd, Esq.	8	1 0	900	41·5	44·16	215	167
D Huncoat (Burnley Road Res.)	A. J. Harrison, Esq.	9	1 10	620	43·0	43·92	185	139
D Huncoat (Burnley Rd. Res.) *new g.*	A. J. Harrison, Esq.	5	1 0	624	..	39·90	185	145
D Wilpshire (Brooklyn Road)	H. W. Apperley, Esq.	5	1 0	408	40·7	41·23	207	157
D Great Harwood (Parsonage Res.)	W. Pickstone, Esq., C.E.	8	1 0	631	40·7	42·22	198	154
D Great Harwood (Dean Clough)	A. J. Harrison, Esq.	12	1 6	540	45·6	44·14	206	164
D BURNLEY (Queen's Park)	Medical Officer of Health	8	1 0	458	..	43·03	207	158
D Burnley (Swinden) *Lower g.*	J. Shepherd, Esq.	8	1 0	745	44·3	44·25	229	181
D Padiham (Gawthorpe Hall)	Lord Shuttleworth	8	1 0	282	40·7	40·36	199	146
D Padiham (Huntroyde)	E. G. Howsin, Esq.	5	1 0	423	41·1	43·41	213	158
D Alston Reservoir	E. C. Oakes, Esq., C.E.	8	1 2	320	41·0	41·05	203	162

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in or more.
CENTRAL LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—RIBBLE & C.—(*con.*)								
D Nelson (Coldwell Res.) S. No. 2	Nelson Corporation W.W.	5	1 0	960	46·3	48·87	228	176
D Nelson (Victoria Park)	Nelson Corporation W.W.	5	1 0	375	41·8	45·01	202	157
D Stonyhurst (College) (+A)	The Director	8	1 10	377	46·5	46·26	214	162
D Cowley Brook (Preston W.W.)	E. C. Oakes, Esq., C.E.	8	1 6	616	..	50·19	215	168
D Spade Mill (Preston W.W.)	E. C. Oakes, Esq., C.E.	8	1 2	400	41·7	42·72	214	170
M Jeffery Hill (Preston W. W.)	E. C. Oakes, Esq., C.E.	8	1 2	900	47·3	52·01	..	..
D Sabden (Churn Clough Res.)	Granville Berry, Esq., C.E.	5	1 0	790	41·2	44·80	231	158
w Sabden (Craggs Dole)	Granville Berry, Esq., C.E.	8	1 0	1050	46·0	48·31	..	..
w Newchurch (Cock Dole)	Granville Berry, Esq., C.E.	5	1 0	1090	47·0	48·80	..	..
D Barley (Ogden Reservoir)	Nelson Corporation W.W.	5	1 6	950	46·0	50·08	227	166
D Pendle Hill (Buttock)	Nelson Corporation W.W.	5	1 0	1175	..	55·13	227	170
D Colne (Swinden Sew. Works)	T. H. Hartley, Esq.	5	1 0	423	42·0	43·97	202	157
Colne (Cemetery)	T. H. Hartley, Esq.	6	3 0	525	..	42·26	..	..
Barrowford Reservoir	Leeds & Liverpool Canal Co.	8	1 0	473	41·0	44·53	..	..
Foulridge (Upper Reservoir)	Leeds & Liverpool Canal Co.	8	1 0	582	40·5	40·43	..	..
Foulridge (Reedy Moor)	Leeds & Liverpool Canal Co.	5	1 0	553	..	39·99	..	..
D Chatburn School	E. P. Aldersley, Esq.	5	0 11	322	43·0	43·28	233	169
Clitheroe (Downham Hall)	R. C. Assheton, Esq.	5	1 6	464	..	40·79	..	..
2.—RIBBLE—Douglas. 156 sq. mi.								
D Wigan W.W. (Billinge Higher End)	The Borough Engineer	5	1 0	374	..	40·24	207	159
D Orrell (Upholland Gram. Sch.)	The Headmaster	5	1 0	320	35·5	36·84	193	163
D Wigan W.W. (Worthington)	The Borough Engineer	5	1 0	225	35·4	41·68	202	157
D Horwich (Lower Rivington)	Lt.-Col. F. Hibbert, C.E.	5	1 0	440	38·7	41·54	217	163
w Horwich (Lower Knoll)	Lt.-Col. F. Hibbert, C.E.	8	1 6	742	41·2	44·40	..	..
w§Rivington (Brown Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 6	844	..	44·61	..	..
w Rivington (Brown Hill) *new g.*	Lt.-Col. F. Hibbert, C.E.	5	1 0	727	..	47·21	..	..
D Rivington (Stoneshouse) No. 1	Lt.-Col. F. Hibbert, C.E.	10	1 4	629	..	48·46	223	166
D Rivington (Stoneshouse) *new g.* No. 2	Lt.-Col. F. Hibbert, C.E.	5	1 0	607	..	46·26	222	164
w Rivington (Stoneshouse) No. 3	Lt.-Col. F. Hibbert, C.E.	8	1 3	629	..	44·82	..	..
w§Rivington (Hurst Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1029	..	50·35	..	..
w§Rivington (Great Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1240	..	54·75	..	..
w§Rivington (Coppice Stile)	Lt.-Col. F. Hibbert, C.E.	8	1 0	879	..	44·66	..	..
w Rivington (Gamekeeper's)	Lt. Col. F. Hibbert, C.E.	8	1 1	850	45·4	46·88	..	..
w Roddlesworth	Lt. Col. F. Hibbert, C.E.	5	1 0	725	..	47·75	..	..
D Chorley (Com. Bk. Sew. Wks.)	J. Slater, Esq.	5	1 0	179	..	37·44	213	145
D Leyland (Worden Hall) (+A)	H. Nowell ffarington, Esq.	5	1 0	125	34·9	41·50	197	149
w§Darwen (Higher Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 6	733	..	41·10	..	..
D Bamber Bridge (Cuerden Hall)	J. Alleyne Robinson, Esq.	5	1 0	230	35·7	39·28	182	145
3.—COAST STREAMS. 52 sq. mi.								
D Southport (Bedford Rd. Park)	The Corpn. (A. Goodwill)	5	1 0	37	32·0	33·85	187	136
D Southport (Hesketh Park) (+A)	The Corpn. (A. Goodwill)	8	1 0	37	32·0	33·89	193	138
4.—OUSE—Aire. 2 sq. mi.								
d§ Watersheddles Reservoir	J. Noel Wood, Esq., M.C., C.E.	5	1 0	1115	48·4	54·62	(222)	(171)
d Watersheddles Res. No. 2.	J. Noel Wood, Esq., M.C., C.E.	5	1 0	1115	..	57·62	(219)	(171)
Foulridge (Canal Office)	Leeds & Liverpool Canal Co.	8	1 0	497	43·5	38·48	..	..
NORTH LANCASHIRE. (Area, 609 sq. mi.)								
1.—DUDDON & C. 77 sq. mi.								
d Barrow-in-Furness (Gas Works)	Claude Diamond, Esq.	5	1 0	17	37·6	37·66	..	151
D Barrow-in-Furness (Sewage Wks.)	W. C. Persey, Esq., C.E.	5	1 0	20	39·3	37·57	222	154
D Barrow-in-Furness (Risedale C. Sch.)	The Headmaster	5	1 0	55	..	37·43	190	149
D Little Urswick (North View)	Miss I. Dobson	5	1 6	130	44·4	47·46	217	158
D Ulverston (Poaka Beck)	Claude Diamond, Esq.	5	1 0	512	52·1	48·59	214	177
D Broughton-in-Furness (Hesketh Hall)	C. E. C. Shawfield, Esq.	5	1 4	130	..	62·15	211	182
d Duddon Valley (Seathwaite Sch.)	The Headmistress	5	1 0	348	77·8	80·66	..	..
w‖Duddon Val. (Seathwaite Tarn)	Claude Diamond, Esq.	5	1 0	1221	92·7	100·36	..	..
2.—LEVEN & C. 135 sq. mi.								
D Cartmel (Holker Hall)	Lord Richard Cavendish	5	0 9	85	44·5	47·84	212	159
D Ulverston (Pengwerne)	C. J. Chapman, Esq.	5	1 4	124	50·1	48·33	225	173

§ Gauge over exposed on Moor. ‖ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
NORTH LANCASHIRE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—LEVEN & C.—(*con.*)								
D Ulverston (Pengwerne) *Paddock*	C. J. Chapman, Esq.	8	1 2	128	..	50·50	219	173
Cartmell Fell (Ghyll Head Res.) 4	J. N. Leckie, Esq.	8	1 0	425	63·1	58·59	..	..
D Torver (Greystones)	J. C. Appleyard, Esq.	5	1 0	350	..	71·97	229	187
Coniston (Thwaite Cottage)	Mrs. H. Cohen	5	1 0	160	..	86·27	..	197
D Hawkshead (Low House, Sawrey)	Mrs. W. H. Baines	5	1 0	342	65·3	67·50	208	200
d Hawkshead (Foundation Sch.)	The Headmaster	5	1 0	214	71·1	66·57	..	..
d Hawkshead (Bettyfold)	H. T. Gnosspelius, Esq.	5	1 0	500	78·0	67·49	(214)	(180)
D Hawkshead Hill	Miss R. E. Sugden	5	1 0	600	..	79·84	209	177
D Ambleside (Skelwith Fold)	Miss C. Marshall	5	1 0	333	81·0	75·64	205	174
3.—KENT & C. 45 sq. mi.								
d Heysham Harbour	L. M. & S. Rly Co.	5	1 6	25	34·7	36·08	..	..
D MORECAMBE	The Chief Sanitary Inspector	8	1 0	23	37·0	38·53	181	139
D Hest Bank (Greendale)	W. Watson, Esq.	5	1 6	97	..	39·53	188	133
d Hest Bank (Hatlex Drive)	Miss P. M. Rhodes	5	1 0	35	..	41·28	(181)	(148)
d Bolton-le-Sands (Hill Close)	Miss F. M. Horner	5	1 0	80	..	39·95	..	139
D Yealand Conyers (Beechfield)	Miss D. E. Roper	5	1 0	250	..	37·69	184	139
D Yealand Conyers (Morecambe Lo.)	J. Rawlinson Ford, Esq.	5	1 0	278	42·9	50·34	222	163
D Silverdale (Hawthorn Bank)	Mrs. Robson	8	1 0	50	..	51·59	187	151
D Lindale (Ellerhow)	Lady Tomlinson	5	1 5	300	51·4	52·43	195	164
4.—LUNE. 135 sq. mi.								
D Hampson-in-Ellel	John Welch, Esq.	5	1 0	145	38·3	37·06	195	147
Bowland Forest (High Salter)	J. T. Sanderson, Esq.	5	1 0	974	..	56·68	..	..
Bowland Forest (Whitray)	J. T. Sanderson, Esq.	5	1 0	1139	57·5	60·56	..	..
Bowland Forest (Lower Salter)	J. T. Sanderson, Esq.	5	1 0	572	52·8	49·73	..	..
D Lancaster (Blea Tarn Res.)	F. Hill, Esq., C.E.	5	1 0	330	..	41·01	210	154
D LANCASTER (Greg Obsy.) (+A)	The Corpn. (N. Holden, F.R.A.S.)	8	1 0	312	40·7	39·59	194	149
D Lancaster (Lune Aqueduct)	L. M. & S. Rly. Co.	8	1 0	74	38·4	38·54	172	152
D Morecambe (Bare Lane)	M. E. Burton, Esq., F.R.Met.Soc.	5	1 0	15	..	39·50	195	146
D Wray (Wray House)	Baldwin Bent, Esq,. C.E.	5	1 0	170	..	43·35	192	148
d Wennington (Tatham Rectory)	Rev. A. S. Roberts	5	1 0	170	40·9	40·25	..	139
5.—WYRE & C. 213 sq. mi.								
D Weeton Reservoir.....No. 1	Fylde Water Board	5	1 0	133	36·6	37·15	183	148
D BLACKPOOL (Met. Observatory)	Medical Officer of Health	5	1 0	65	33·4	33·63	196	133
D Broughton (Newsham House)	W. B. S. Smith, Esq.	5	1 0	104	38·2	39·01	192	153
D Kirkham (Elswick Lodge)	L. G. King, Esq.	5	1 4	52	35·0	35·15	170	137
D St. Michael's-on-Wyre* Fairway	E. W. Hornby, Esq.	5	1 0	26	36·0	37·71	186	148
D Fleetwood	Engineer and Surveyor	8	2 6	27	33·4	32·39	187	140
D FLEETWOOD (Memorial Park)	The Borough Council	5	1 0	21	..	33·77	182	147
D Garstang (Barnacre Reservoir)	Fylde Water Board	5	1 0	616	45·7	48·20	196	166
D Garstang (Grizedale Reservoir)	Fylde Water Board	5	1 0	517	43·6	43·35	192	160
Garstang (Calder Intake)	Fylde Water Board	5	1 0	632	46·6	45·95	..	..
Garstang (Grizedale Intake)	Fylde Water Board	5	1 0	644	46·6	47·27	..	..
D Wyresdale (Abbeystead Res.)	F. Hill, Esq., C.E.	5	1 0	366	47·9	51·85	206	177
D Abbeystead Gardens	Mr. Geo. Penk	5	1 0	420	50·1	53·20	225	182
D Damas Ghyll Reservoir	F. Hill, Esq., C.E.	5	1 0	590	..	48·89	201	173
M Quernmore (Old Gauge Basin)	F. Hill, Esq., C.E.	8	1 0	963	46·1	56·57	..	..
M Quernmore (Hare Syke)	F. Hill, Esq., C.E.	5	1 0	1610	..	74·97	..	..
6.—INSULAR. 4 sq. mi.								

DIVISION IX—YORKSHIRE.

WEST RIDING. (Area, 2,803 sq. mi.)

1.—LUNE. 178 sq. mi.								
D Austwick (Town Head)	T. Gordon Esq.	5	1 0	525	42·4	43·82	218	162
D Austwick (Beck House)	Rev. J. Turner	5	1 1	475	44·3	41·63	216	155
D Clapham (Newby)‡	C. Bateman, Esq.	5	0 8	550	..	47·21	221	171
D High Bentham (Inglefield)	Geoffrey Holmes, Esq.	5	1 0	412	..	41·42	205	165
D Sedbergh (Brigflatts)	The Misses Wilson	5	1 0	305	53·0	55·14	202	172
D Sedbergh (The Leyes)	Rev. A. J. K. Martyn	5	0 9	400	..	55·63	201	164
D Sedbergh (Havera Bank)	A. Mountain, Esq.	5	1 0	450	56·1	55·92	207	174

† Station formerly called Barton. * Station formerly called St. Michael's-on-Wyre.
‡ Gauge moved to Yew Tree Cottage, 31st October.

DIVISION IX—YORKSHIRE—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE. 225 sq. mi.								
D	Colne (Lower Coppy)	J. F. Bedford, Esq., C.E.	5	1 7	975	..	39·87	207	154
D	Colne (Laneshaw Res.)	J. F. Bedford, Esq., C.E.	5	1 9	795	..	39·00	204	148
D	Barnoldswick (Rainhall Road)	J. Hiley, Esq., B.Sc.	5	1 0	549	38·1	36·79	179	131
	Barnoldswick (Greenberfield L.)	Leeds & L'pool Canal Co.	8	1 0	488	41·5	38·45	..	..
	Slaidburn (Hareden Fell)	E. C. Oakes, Esq., C.E.	8	1 2	1300	..	70·52	..	..
D	Slaidburn (Hareden Valley)	E. C. Oakes, Esq., C.E.	8	1 2	556	68·3	68·65	233	182
D	Slaidburn (Langden Brook)	E. C. Oakes, Esq., C.E.	8	1 2	556	68·6	72·77	242	186
	Slaidburn (Holdron Moss)	E. C. Oakes, Esq., C.E.	8	1 2	1300	..	67·46	..	..
D	Slaidburn (Dunsop Houses)	W. Pickstone, Esq., C.E.	8	1 6	450	62·9	62·88	202	180
D	Slaidburn (Footholme)	W. Pickstone, Esq., C.E.	8	1 6	565	62·2	61·94	203	182
M	Slaidburn (Middle Knoll)	W. Pickstone, Esq., C.E.	5	1 0	1288	67·5	66·90	..	..
D	Slaidburn (Brennand)	W. Pickstone, Esq., C.E.	8	1 6	820	68·3	69·10	199	179
D	Slaidburn (Croasdale House)	W. Pickstone, Esq., C.E	8	1 6	600	51·0	52·41	204	161
D	Slaidburn (Croasdale Valley)	W. Pickstone, Esq., C.E.	8	1 6	720	..	64·18	203	178
D	Slaidburn (Whitendale)	W. Pickstone, Esq., C.E.	8	1 6	830	70·0	70·05	201	186
M	Slaidburn (Cabin Hill)	W. Pickstone, Esq., C.E.	5	1 0	1559	..	72·50	..	..
M	Slaidburn (Baxton Fell)	W. Pickstone, Esq., C.E.	5	1 0	1525	75·8	81·70	..	..
D	Settle (Cappleside)	Mrs. Geldard	5	0 10	500	49·9	48·92	207	163
D	Settle (Gas Works)	J. W. Shepherd, Esq.	8	2 6	450	43·9	43·58	206	164
D	Settle (Giggleswick School)	The Headmaster	8	1 0	575	..	39·55	200	161
	Horton-in-Ribblesdale	Nathaniel Hunt, Esq.	5	1 0	800	52·2	(58·28)	..	..
	3.—MERSEY—Irwell. 2 sq. mi.								
	4.—MERSEY, UPPER. 35 sq. mi.								
D	Greenfield (Chew Mount)	M. T. B. Whitson, Esq., C.E.	5	1 0	1578	50·7	55·59	222	178
	Greenfield (Chew Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1 0	1648	..	58·78	..	..
D	Greenfield (Sewage Disp. Wks.)	The Manager	5	1 1	505	..	45·01	221	183
D	Greenfield (Yeoman Hey)	M. T. B. Whitson, Esq., C.E.	5	1 0	784	49·1	54·73	214	186
	Greenfield (Ashway Moss)	M. T. B. Whitson, Esq., C.E.	5	1 0	1581	..	53·37	..	..
	Greenfield (Birchen Clough)	M. T. B. Whitson, Esq., C.E.	5	1 0	1018	51·4	56·51	..	..
	Greenfield (Upperwood Moor)	M. T. B. Whitson, Esq., C.E.	5	1 0	1518	..	52·97	..	..
	Saddleworth Station	L. M. & S. Rly. Co.	5	1 0	563	..	50·09	..	..
D	Oldham (Strinesdale)	C. J. Batley, Esq., C.E.	5	1 0	791	44·7	44·90	218	175
D	Standedge (Cas Shaw Broadhead)	C. J. Batley, Esq., C.E.	8	1 0	957	51·5	55·44	237	197
M	Standedge (Redbrook Res.)	L. M. & S. Rly. Co.	5	1 0	1150	..	54·09	..	..
D	Denshaw C.E. School	The Head Teacher	8	1 1	870	..	52·43	212	168
D	Denshaw (Ox Hey)	C. J. Batley, Esq., C.E.	8	1 0	1031	48·9	51·41	229	179
D	Denshaw (Crawshaw Hey)	C. J. Batley, Esq., C.E.	8	1 0	956	48·5	52·89	229	179
D	Denshaw (New Year's Br.)	C. J. Batley, Esq., C.E.	8	1 0	986	..	51·32	229	179
	5.—TRENT—Derwent. 9 sq. mi.								
D	Burbage (Parsons House)	Sheffield Corporation W.W.	8	1 0	1309	..	40·50	221	168
	Burbage (Higger Lodge)	Sheffield Corporation W.W.	5	1 0	1225	36·8	41·26	..	..
	Burbage (Upper Burbage)	Sheffield Corporation W.W.	5	1 0	1364	36·1	45·24	..	..
	Howden Dean ..... No. 72.	Derwent Valley Water Bd.	5	1 0	965	..	56·75	..	..
M	Derwent Dale (HowdenCl'gh) No. 64	Derwent Valley Water Bd.	5	1 0	1030	44·4	54·31	..	..
	Derwent Dale (Sandy Lee) *checkg.* 7A	Derwent Valley Water Bd.	5	1 0	1340	..	61·66	..	..
	6.—TRENT—Left Bank Tributaries. 143 sq. mi.								
D	Lindrick Common (Woodside)	Mrs. M. E. Eardley	5	1 0	250	25·5	28·12	191	142
D	Austerfield P.S.	Doncaster & Tickhill Joint Water Bd.	8	1 0	32	..	26·13	189	129
D	Rossington Main Colliery	Rossington Colliery Co., Ltd.	5	1 0	22	..	25·37	177	130
D	Doncaster (Airport)	The Corporation	8	1 0	30	..	26·24	186	133
	7.—OUSE—Don. 574 sq. mi.								
	Burbage (Badger Ho.)	Sheffield Corporation W.W.	5	1 0	1138	..	40·76	..	..
D	Sheffield W.W. (Redmires R.) (R)	Sheffield Corporation W.W.	10	5 0	1110	40·3	44·35	223	169
D	Sheffield W.W. (Redmires Res.)	Sheffield Corporation W.W.	8	4 0	1110	39·9	44·29	227	175
D	Sheffield W.W. (Redmires R.) *newg.*	Sheffield Corporation W.W.	5	1 0	1110	..	45·39	227	174
	Rivelin (Oaking Clough)	Sheffield Corporation W.W.	8	1 0	1160	39·8	45·61	..	..
	Rivelin (Oaking Clough) .... No. 2	Sheffield Corporation W.W.		..	1185	..	47·38	..	..
	Rivelin (Middle Moss)	Sheffield Corporation W.W.	5	1 0	1168	41·0	48·17	..	..
D	Sheffield W.W. (Rivelin) (+A)	Sheffield Corporation W.W.	8	1 6	564	35·2	39·27	220	165
	Sheffield W.W. (Black Clough)	Sheffield Corporation W.W.	5	1 0	1175	40·3	48·77	..	..
D	Sheffield W.W. (Crookes)	Sheffield Corporation W.W.	5	1 1	629	..	32·72	198	143

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
7.—OUSE—Don—(*con.*).								
D Sheffield W.W. (Crookes)	Sheffield Corporation W.W..	8	2 0	629	..	31·36	198	138
Loxley Valley (Crawshaw Wood)	Sheffield Corporation W.W..	5	1 0	1175	..	44·89	..	..
Loxley Valley (Broadcar)	Sheffield Corporation W.W..	5	1 0	1004	44·4	51·07	..	..
Loxley V. (Oaks Fm. Damflask)	Sheffield Corporation W.W..	5	1 0	650	36·1	42·12	..	..
Loxley V. (Loftshaw, Strines)	Sheffield Corporation W.W..	5	1 0	1011	43·2	47·01	..	..
D Loxley Valley (Bradfield Filters)	Sheffield Corporation W.W..	8	1 0	551	..	41·57	202	159
D Loxley V. (Dale Dike Res.)	Sheffield Corporation W.W..	8	1 0	715	39·5	46·27	234	168
Loxley Valley (Brogging Moss)	Sheffield Corporation W.W..	5	1 0	1360	..	57·65	..	..
Loxley V. (Thornseat)	Sheffield Corporation W.W..	5	1 0	1326	42·6	49·46	..	..
Loxley V. (Rocher Flat)	Sheffield Corporation W.W..	5	1 0	1106	37·1	41·26	..	..
Loxley V. (Emlin Moor)	Sheffield Corporation W.W..	5	1 0	998	41·3	48·88	..	..
Loxley Valley (White Lee Moor)	Sheffield Corporation W.W..	5	1 0	1170	..	46·24	..	..
Loxley Valley (Hobson Moss)	Sheffield Corporation W.W..	5	1 0	1530	..	55·77	..	..
D Rotherham (Ulley Res.)..No. 2 ..	Vincent Turner, Esq., C.E...	5	1 0	184	23·4	25·82	173	133
D Rotherham (Ulley Res.)..No. 3 ..	Vincent Turner, Esq., C.E...	5	1 0	132	23·2	26·80	173	133
D Wincobank (Sewage Works) (+A)	J. H. Edmondson, Esq.	5	1 6	110	23·0	28·35	195	135
D Rotherham (Sitwell Vale)	G. Howard, Esq., F.R.Met. Soc.	5	1 0	300	26·0	30·36	200	146
D ROTHERHAM (BROOM LANE)	L. Atkinson, Esq.	5	1 0	284	..	27·09	202	136
D Rotherham (Kimberworth Sch.)	Vincent Turner, Esq., C.E...	5	1 0	258	24·7	28·30	211	133
D Rotherham (Spurley Hey C. Sch.)	Vincent Turner, Esq., C.E...	5	1 0	130	..	27·90	182	135
D Rotherham (Aldwarke Sew. Wks.) (+A)	James H. Kershaw, Esq.	5	1 4	71	24·7	28·06	194	136
D Rotherham (Thrybergh)	F. O. Kirby, Esq., C.E.....	8	1 0	184	23·8	27·15	197	129
D Ecclesfield (Sewage Works)	F. Thurlby, Esq., C.E. ...	5	1 0	172	25·6	30·90	194	128
D Conisborough (Firsby Res.)	F. O. Kirby, Esq., C.E.....	8	1 4	189	26·1	30·79	200	146
Ewden (Middle Moss)	Sheffield Corporation W.W..	5	1 0	1600	51·0	55·64	..	..
Ewden (Broomhead Moor)	Sheffield Corporation W.W..	5	1 0	1370	48·6	54·56	..	..
D Ewden (Canyard Brook)	Sheffield Corporation W.W..	5	1 0	585	..	39·93	206	158
Ewden (Candle Rush)	Sheffield Corporation W.W..	5	1 0	1400	..	55·64	..	..
Ewden (Wightwizzle)	Sheffield Corporation W.W..	5	1 0	860	41·5	46·23	..	..
Ewden (Broomhead Hall)	Sheffield Corporation W.W..	5	1 0	905	42·1	42·63	..	..
D Ewden (More Hall Reservoir)	Sheffield Corporation W.W..	8	1 0	408	33·9	36·33	208	147
D Ewden (Broomhead Reservoir)	Sheffield Corporation W.W..	8	1 0	600	35·6	41·78	209	154
D Ewden (Broomhead Res.) *Check*	Sheffield Corporation W.W..	5	1 0	484	..	39·04	206	148
Ewden (Margery Hill)..No. 2.	Sheffield Corporation W.W..	5	1 0	1784	..	59·21	..	..
Ewden (Waldershaigh)	Sheffield Corporation W.W..	5	1 0	875	35·3	38·52	..	..
Ewden (Brown Edge)	Sheffield Corporation W.W..	5	1 0	1325	50·5	54·08	..	..
D Wentworth Woodhouse	Mr. A. Third.....	5	0 10	360	27·2	31·25	175	132
D Mexborough	G. Fenwick Carter, Esq., C.E.	5	1 6	77	22·4	26·31	201	136
Wortley (Service Reservoir)	W. G. Lees, Esq., C.E.	5	1 0	700	30·0	35·47	221	162
Midhope Moor (Barnside)	W. G. Lees Esq., C.E.	5	1 0	1000	43·4	45·78	234	178
Little Don Val. (Laund Clough)	Sheffield Corporation W.W..	5	1 0	1515	..	63·52	..	..
D Little Don Val. (Underbank Res.)	Sheffield Corporation W.W..	8	1 6	604	34·6	41·83	207	160
Little Don Val. (Brockholes)	Sheffield Corporation W.W..	5	1 0	902	34·0	43·13	..	..
Little Don Val. (Sheep House)	Sheffield Corporation W.W..	5	1 6	945	34·2	39·35	..	..
Langsett Moor (Midhope)	W. G. Lees, Esq., C.E.	5	1 0	823	..	48·21	214	165
D Langsett Moor (Up. Midhope)	Sheffield Corporation W.W..	8	1 6	925	41·6	45·47	..	..
Langsett Moor (Mickleden)	Sheffield Corporation W.W..	5	1 0	1217	48·0	55·38	..	..
Langsett Moor (Mickleden) *new g.*	Sheffield Corporation W.W..	5	1 0	1110	..	58·04	..	..
Langsett Moor (Catclough)	Sheffield Corporation W.W..	8	1 0	1516	47·8	57·94	..	..
Langsett Moor (Fiddlers Green)	Sheffield Corporation W.W..	8	1 6	1493	48·7	57·22	..	..
Langsett Moor (Fiddler's G.) *new g.*	Sheffield Corporation W.W..	5	1 0	1480	..	58·26	..	..
Langsett Moor (Border Hill)	Sheffield Corporation W.W..	5	1 0	1148	46·9	55·47	..	..
D Langsett Moor (Swinden Lodge) (+A)	Sheffield Corporation W.W.	8	1 0	1037	44·0	48·86	218	163
D Langsett Moor (Flouch Road)	Sheffield Corporation W.W..	8	1 0	960	40·3	48·61	224	163
D Wath-upon-Dearne (Chapel St.)	Dr. T. Crowley.....	8	1 3	188	24·8	26·53	172	128
Dunford Bridge (Long Grain)	W. G. Lees, Esq., C.E.	5	1 0	1125	..	54·19	..	..
Wogden Foot (Cat Clough)	W. G. Lees, Esq., C.E.	5	1 0	889	..	51·22	196	163
D Balby (Sewage Works)	F. O. Kirby, Esq., C.E.	5	1 0	29	..	24·02	208	130
D Low Pasture P.S.	F. O. Kirby, Esq., C.E. ...	5	1 0	24	..	24·59	184	126
D Doncaster (Pumping Station)	F. O. Kirby, Esq., C.E.....	5	1 0	31	..	27·67	186	144
D Bolton-on-Dearne (Goldthorpe)	E. Washington, Esq.....	5	1 6	93	24·3	29·93	173	129
w Dunford Bridge (Windleden)	G. E. V. Boldry, Esq., C.E..	5	2 2	1100	49·3	51·01	..	..
D Dunford Bridge Res.	G. E. V. Boldry, Esq., C.E..	5	2 0	1111	49·2	52·02	213	170

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Day with ·04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
7.—OUSE—Don—(*con.*).								
w Dunford Bridge (Dearden)	G. E. V. Boldry, Esq., C.E..	5	1 6	1244	49·3	53·26	..	..
w Dunford Bridge (Harden)	G. E. V. Boldry, Esq., C.E..	5	2 0	1300	50·9	50·59	..	..
w Dunford Bridge (Snailsden)	G. E. V. Boldry, Esq., C.E..	5	2 0	1477	50·8	50·77	..	..
D Darfield (Sewage Wks.)	The Surveyor	5	1 0	106	..	25·08	171	126
Penistone (Scout Dike Res.)	W. G. Lees, Esq., C.E.	5	1 0	730	32·8	36·12	213	148
Penistone (Ingbirchworth Res.)	W. G. Lees, Esq., C.E.	5	1 0	853	38·0	37·90	202	120
Penistone (Broadstone Res.)	W. G. Lees, Esq., C.E.	5	1 0	..	36·8	41·46	205	152
D Barnsley (Jordan Hill)	W. G. Lees, Esq., C.E.	5	1 0	460	26·2	28·53	200	135
d Bentley Colliery	Messrs. Barber, Walker & Co., Ltd.	5	1 0	23	..	25·00	..	..
D Cawthorne (Cannon Hall)	J. M. Spencer Stanhope, Esq.	5	0 11	418	29·1	31·66	169	131
D Barnsley (Burntwood Hall)	J. Dymond, Esq.....	5	1 0	378	25·9	27·53	189	128
D Kirk Bramwith	C. E. Farran, Esq., C.E.....	5	2 6	22	23·2	23·08	171	117
D Goole	Aire & Calder Navigation...	5	1 0	18	22·9	23·61	166	121
8.—OUSE—Aire—Calder. 361 sq. mi.								
D Holmbridge (Yateholme Res.)	H. P. Joyce, Esq.....	5	1 0	1009	59·2	66·29	225	193
D Holmbridge (Yateholme Farm)	H. P. Joyce, Esq.....	5	1 0	861	56·4	62·95	225	188
Holmbridge (Bilberry Res.)	Messrs. Mallinson & Son....	5	1 0	970	52·4	55·88	..	..
Holmfirth (Holme Styes Res.)	Messrs. Mallinson & Son....	5	1 0	830	45·7	46·23	..	..
Holmfirth (Boshaw Whams R.)	Messrs. Mallinson & Son....	5	1 0	930	49·7	49·45	..	..
D Holmfirth (Snape Res.)	Holmfirth U.D.C.....	6	1 0	1060	..	48·66	246	190
Meltham (Harden Moss)	J. P. Beveridge, Esq., C.E.	8	1 0	1212	..	55·15	..	..
Wessenden Head	J. P. Beveridge, Esq., C.E.	8	1 0	1270	..	53·95	..	..
Wessenden (Holly Bank Moss)	J. P. Beveridge, Esq., C.E...	8	1 0	1280	..	57·35	..	..
Wessenden (Old Reservoir)	J. P. Beveridge, Esq., C.E...	8	1 0	1270	..	55·35	..	..
Wessenden (Butterley Moss)	J. P. Beveridge, Esq., C.E...	8	1 0	1110	..	55·30	..	..
Meltham (Brow Grains)	J. P. Beveridge, Esq., C.E...	8	1 0	900	45·0	54·54	..	..
Meltham (Royd Edge)	C. L. Brook, Esq.....	8	1 0	585	48·3	52·36	..	..
D MELTHAM (Harewood Lodge)	C. L. Brook, Esq.	8	1 0	514	44·5	49·79	223	171
Meltham Grange	J. P. Beveridge. Esq., C.E..	8	1 0	850	41·1	49·00	..	..
‡Marsden Reservoir	L.M. & S. Rly. Co.....	5	1 0	657	50·5	56·84	..	..
Marsden (Deer Hill)	J. P. Beveridge, Esq., C.E..	8	1 0	1149	42·8	53·68	..	..
Marsden (Deer Hill) *new g*	J. P. Beveridge, Esq., C.E..	8	1 0	1149	45·0	50·65	..	..
D Slaithwaite (Blackmoorfoot)	J. P. Beveridge, Esq., C.E..	8	1 0	800	43·1	45·17	234	165
D Slaithwaite (Inglewood)	J. Woodhead, Esq.....	5	1 0	546	43·5	49·79	230	165
d Huddersfield (Bank Field, Golcar)	Miss M. J. R. Sykes.....	6	1 0	400	39·0	47·84	..	157
D HUDDERSFIELD (RAVENSKNOWLE)	The Corpn. (Dr. Woodhead)	8	0 11	325	30·1	33·98	206	133
w Huddersfield (Langley Ter.) No. 1	S. Morris Bower, Esq.	5	1 0	761	33·7	43·13	..	..
D HUDDERSFIELD (OAKES)	S. Morris Bower, Esq.	5	1 0	761	34·3	42·79	230	157
w Moss Moor (Linsgreave)	Wakefield Corpn. W.W.	5	1 0	1264	51·2	55·61	..	..
D Rishworth (G. Walden Edge) *old g.*	Wakefield Corpn. W.W. ...	8	1 2	1135	49·3	52·24	243	182
D Rishworth (G. Walden Edge) *check*	Wakefield Corpn. W.W. ..	5	1 0	1135	..	52·47	243	182
w Rishworth (Long Clough)	Wakefield Corpn. W.W. ...	5	1 0	1000	..	56·99	..	..
w Rishworth (Stott Hall)	Wakefield Corpn. W.W. ...	5	1 0	935	45·6	51·17	..	..
D Rishworth Lodge	Wakefield Corpn. W.W. ...	5	0 11	950	..	49·88	214	166
D Rishworth (Green Withens Res.)	Wakefield Corpn. W.W. ...	5	1 0	1205	48·2	51·12	246	180
w Rishworth (Pike End)	Wakefield Corpn. W.W. ...	5	1 0	1225	..	54·44	..	..
D Rishworth (Ringstone Res.) (*lower*)	Wakefield Corpn. W.W. ...	5	1 0	962	45·8	51·20	222	165
w Rishworth Moor (Greystones)	Wakefield Corpn. W.W. ...	5	1 4	1192	50·6	52·16	..	..
d Soyland Moor (Rishworth Drain)	C. J. Batley, Esq., C.E.....	8	1 0	1290	52·9	58·42	..	..
w Soyland Moor (Summit) (East)	Wakefield Corpn. W.W. ...	5	0 11	1218	51·0	56·44	..	..
D Soyland Moor (Stansfield Hey)	Wakefield Corpn. W.W. ...	5	1 0	700	..	46·80	210	163
D Soyland Moor (Baitings)	Wakefield Corpn. W.W. ...	5	1 0	943	50·6	55·33	236	180
d Soyland Moor (Byron Edge)	C. J. Batley, Esq., C.E.....	8	1 0	1251	48·3	47·19	..	..
w Soyland Moor (Manshead)	Wakefield Corpn. W.W. ...	5	1 0	1225	51·2	57·14	..	..
d Walsden (White Holme)	C. J. Batley, Esq., C.E.....	8	1 0	1240	..	47·79	..	..
D Walsden (Calf Lee)	Rochdale Corporation.....	8	1 0	960	..	50·13	229	165
D Walsden (Warland Res.)	Rochdale Corporation.....	8	1 0	1245	48·6	52·30	229	169
D Walsden (Warland Drain)	Rochdale Corporation.....	8	1 0	1250	51·9	51·11	228	162
Walton Hall	E. T. B. Simpson, Esq.....	5	0 10	137	22·5	27·68	..	..
D Horbury (Addingford Hos.)	J. H. Horsfall, Esq.....	8	1 0	169	23·3	29·35	189	128
d Mirfield (Cote Wall)	F. P. Mitchell, Esq.....	8	1 0	200	30·2	32·93	..	135

‡ Gauge on a steep bank.

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—OUSE—Aire—Calder—(*con.*).								
D Wakefield (Sewage Works)	J. H. Garner, Esq., B.Sc.	5	1 0	71	..	26·24	178	113
D WAKEFIELD (Clarence Park)	Wakefield Corpn. W.W.	5	1 0	124	25·4	28·33	211	142
D Normanton (Haw Hill Park)	The Surveyor, U.D.C.	8	1 1	136	23·3	25·99	183	120
W Walsden (Ramsden Hill)	Rochdale Corporation	5	1 0	1326	52·0	53·48	..	..
D Walsden (Ramsden Reservoir)	Rochdale Corporation	5	1 0	993	52·7	53·88	217	168
D Todmorden (Fielden Hospital)	L. A. Crabtree, Esq.	5	1 0	650	..	49·48	223	164
D Todmorden (Sourhall Hospital)	L. A. Crabtree, Esq.	5	1 0	1020	53·8	54·00	233	164
D Halifax (Public Library)	E. Green, Esq.	8	0 8	625	34·3	39·10	211	149
D§Dewsbury(Mitchell Laithes Sew.Wks.)	The Manager	8	1 0	115	..	27·58	184	126
D Dewsbury (Municipal Offices) (+A)	The Borough Engineer	5	1 6	225	..	26·07	167	123
D Dewsbury (Crow Nest Park)	Superintendent of Parks	8	1 0	300	..	27·65	184	127
D Batley (Staincliffe Reservoir)	H. P. Joyce, Esq.	5	1 0	492	24·1	29·59	191	144
D Ardsley (Jaw Hill Filters)	Wakefield Corpn. W.W.	5	1 0	315	22·4	27·93	172	134
D Ardsley Reservoir *Upper*	Wakefield Corpn. W.W.	5	1 2	395	23·9	28·39	178	135
D Halifax W.W. (Albert Res.)	E. P. Brook, Esq., C.E.	5	1 0	795	35·3	42·86	210	159
D Halifax W.W. (Gibbet Res.)	E. P. Brook, Esq., C.E.	5	1 0	565	34·6	39·24	183	148
D Halifax W.W. (Ramsden Wood)	E. P. Brook, Esq., C.E.	5	1 0	815	38·3	45·37	182	160
D Hebden Bridge (Burnside)	Mrs. R. Redman	5	1 0	830	43·9	48·35	213	175
D Halifax W.W. (Castle Carr Lo.)	E. P. Brook, Esq., C.E.	5	1 0	1060	42·6	48·62	244	178
W Halifax W.W. (Midgley Mr.)	E. P. Brook, Esq., C.E.	8	1 0	1350	44·3	47·08	..	..
W Halifax W.W. (Warley Mr.)	E. P. Brook, Esq., C.E.	8	1 0	1325	43·0	47·08	..	..
D Halifax W.W. (Ogden)	E. P. Brook, Esq., C.E.	5	1 0	990	43·5	44·12	213	173
W Halifax W.W. (Ovenden Mr.)	E. P. Brook, Esq., C.E.	8	1 0	1375	41·8	52·86	..	..
W Halifax W.W. (Gorple)	E. P. Brook, Esq., C.E.	8	1 0	1320	47·0	47·47	..	..
D Halifax W.W. (Gorple Res.)	E. P. Brook, Esq., C.E.	5	1 0	1028	41·1	59·49	224	183
D Halifax W.W. (Widdop)	E. P. Brook, Esq., C.E.	5	1 0	1050	46·3	48·33	216	180
D Halifax W.W. (Walshaw Dean L.)	E. P. Brook, Esq., C.E.	5	1 0	1040	48·1	50·19	212	169
W Halifax W.W. (Walshaw Dean)	E. P. Brook, Esq., C.E.	8	1 0	1380	44·8	46·01	..	..
9.—OUSE—Aire. 504 sq. mi.								
D PONTEFRACT (The King's School)	The Headmaster	5	1 0	255	23·3	25·03	172	117
D Rawcliffe (Black Drain P.S.)	G. H. Simmons, Esq.	5	0 10	104	..	24·74	174	125
D Pontefract (Roall W.W.)	W. H. Newton, Esq., C.E.	8	1 0	42	23·0	24·63	175	120
D Rothwell(Lemonroyd Sew. Wks.)	Rothwell U.D.C.	5	1 0	64	..	26·45	178	117
Bradford (Brayshaw Reservoir)	W. Newlands, Esq., C.E.	5	1 0	982	36·5	43·21	..	..
D BRADFORD (Lister Park)	The Corporation	8	1 0	439	33·9	35·50	197	145
D Bradford (Thornton Moor Filters)	W. Newlands, Esq., C.E.	5	1 0	1190	44·3	55·41	241	185
D Bradford (Stubden Res.)....No. 8.	W. Newlands, Esq., C.E.	5	1 0	1071	44·9	48·74	211	158
M Bradford (Nan Scar, Oxenhope)	W. Newlands, Esq., C.E.	5	1 0	1101	47·6	48·01	..	..
M Bradford (Stairs Top, Oxenhope)	W. Newlands, Esq., C.E.	5	1 0	1360	52·4	62·05	..	..
D Bradford (Leeming Reservoir)	W. Newlands, Esq., C.E.	5	1 0	850	41·0	47·73	210	163
D Bradford (Doe Park Reservoir)	W. Newlands, Esq., C.E.	5	1 0	756	..	47·07	222	159
D Bradford (Leeshaw Res.)	W. Newlands, Esq., C.E.	5	1 0	875	47·3	53·03	224	176
D Bradford (Chellow Dean Res.)	W. Newlands, Esq., C.E.	5	1 0	645	34·5	39·95	198	162
D Bradford (Chellow Heights Res.)	W. Newlands, Esq., C.E.	5	1 0	848	36·6	39·22	196	168
D Bradford (Hewenden Res.)	W. Newlands, Esq., C.E.	5	1 0	677	..	43·34	202	157
D Bradford (Heaton Reservoir)	W. Newlands, Esq., C.E.	5	1 0	531	32·6	37·11	197	150
Leeds (Wortley Reservoir)	H. Shortreed, Esq.	8	0 9	307	28·1	29·17	192	140
Leeds (Knostrop)	H. Shortreed, Esq.	8	0 9	72	24·0	25·64	167	124
Leeds (Woodhouse Moor)	H. Shortreed, Esq.	8	0 9	307	26·7	28·61	197	132
D Seacroft (Leeds City Hospital)	The Medical Superintendent	8	1 0	235	29·3	29·76	153	116
Leeds (Weetwood Res.)	H. Shortreed, Esq.	8	0 9	328	27·5	32·91	218	144
d Leeds (Weetwood Garth)	Mrs. F. Gott, J.P.	5	1 0	300	27·7	33·47	..	137
D Haworth (Harbour Lodge)	J. Noel Wood, Esq., M.C., C.E.	8	1 0	1165	52·5	52·81	215	178
D Haworth (Lr. Laithe Res.) (+A)	J. Noel Wood, Esq., M.C., C.E.	6	1 0	772	48·1	50·27	223	159
D Oakworth (Oldfield Filters)	J. Noel Wood, Esq., M.C., C.E.	5	1 0	1008	44·6	52·97	221	178
D Oakworth (Oldfield Filters) No. 2	J. N. Wood, Esq., M.C., C.E.	5	1 0	978	..	50·30	220	174
D Rawdon	Rawdon U.D.C.	5	1 0	579	29·0	31·06	187	135
D BINGLEY (ST. IVES RES. STN.)	The Director	8	1 0	605	..	35·38	211	156
D‡Bingley (Gilstead Filters)	W. Newlands, Esq., C.E.	5	1 0	572	..	37·51	199	161
D Keighley (The Knowle)	P. Clough, Esq.	5	1 0	390	38·0	36·64	203	154
D Keighley (Victoria Park)	R. Butterfield, Esq.	5	1 0	304	35·7	37·71	198	153

‡ Turf wall round gauge. § Exposure unorthodox.

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	Days with ·01 in. or more.	Days with ·04 in. or more.
WEST RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
9.—OUSE—Aire—(*con.*).								
D Bingley (East Morton)	J. Rhodes, Esq.	5	1 0	530	32·2	32·61	203	145
Bingley (Sunnydale Reservoir)	W. Newlands, Esq., C.E.	5	1 0	825	33·1	33·27	..	..
d Salterforth (Barnoldswick W.W.)	Barnoldswick U.D.C.	8	1 4	832	46·6	45·28	..	..
D Earby (Sewage Works) (+A)	The Surveyor	5	1 9	426	39·3	34·38	199	134
M Silsden (Gill Grange)	W. Newlands, Esq., C.E.	5	1 0	883	30·8	31·94	..	..
D Silsden Reservoir	W. Newlands, Esq., C.E.	5	1 0	560	31·2	37·67	206	164
M Silsden (Cringles Res. Site)	W. Newlands, Esq., C.E.	5	1 0	715	31·3	35·41	..	..
D Elslack (Stories Farm) *new g.*	Barnoldswick U.D.C.	8	0 7	675	..	38·42	212	159
D Skipton (Town Hall) (+A)	A. E. W. Aldridge, Esq.	6	1 6	367	33·5	35·30	197	157
Gargrave (Banks Hill Banknewton)	Leeds & Liv'pool Canal Co.	8	1 0	545	35·5	37·02	..	..
Gargrave (Ray Bridge Hill)	Leeds & Liv'pool Canal Co.	8	0 10	459	34·2	41·77	..	..
D Skipton (Embsay Moor) (+A)	A. E. W. Aldridge, Esq.	5	3 1	670	..	35·83	204	154
Winterburn (Long Hill)	Leeds & Liv'pool Canal Co.	8	1 0	705	37·8	38·43	..	..
Winterburn (Brown Hill)	Leeds & Liv'pool Canal Co.	8	1 0	961	42·8	40·03?	..	..
10.—OUSE—Wharfe. 408 sq. mi.								
D Aberford (Lotherton Hall)	Col. R. T. T. Gascoigne, D.S.O.	5	1 0	208	24·5	28·17	169	134
Adel (Eccup, East)	H. Shortreed, Esq.	8	0 9	375	29·3	31·94	195	137
Harewood (Arthington)	H. Shortreed, Esq.	8	0 9	139	32·0	33·64	213	141
D Harewood House	Dowager Countess of Harewood.	5	0 10	300	29·7	37·97	167	139
D Ilkley (Silverwell Cottage)	The Engineer & Surveyor	5	1 0	900	38·2	38·41	215	175
D ILKLEY (Spence's Garden)	The Engineer & Surveyor	5	1 0	315	35·1	38·82	214	152
D ASKHAM BRYAN (Exptl. Farm)	University of Leeds	5	1 0	90	..	24·16	158	113
Leathley (Lindley Wood, S.)	H. Shortreed, Esq.	8	0 9	312	31·6	32·34	195	136
D Ilkley (March Gill Reservoir)	C. F. Hodgson, Esq., C.E.	5	1 0	655	34·0	33·54	202	147
D York (Middlethorpe Hall)	No. 2. Mr. J. Fletcher	5	1 0	48	..	24·96	172	119
D York (Chalfonts)	Arnold S. Rowntree, Esq.	5	1 0	57	..	25·10	141	117
D York (Bishopthorpe Road)	J. Terry & Sons Ltd.	5	1 0	54	..	23·82	164	111
d York (Cherry Hill)	Messrs. H. Richardson & Co.	5	1 6	50	24·2	24·78	..	..
D York (Acomb Landing)	York W. W. Co.	5	1 0	40	22·6	24·71	161	118
M Skipton (Counter Hill)	W. Newlands, Esq., C.E.	5	1 0	951	30·2	34·11	..	..
D Skipton (Chelker Reservoir)	W. Newlands, Esq., C.E.	5	1 0	730	32·9	35·86	199	156
Fewston (Timble Ings)	H. Shortreed, Esq.	8	0 9	912	35·5	43·53	218	171
Fewston (Swinsty, East)	H. Shortreed, Esq.	8	0 9	460	34·4	36·35	199	139
Fewston, North	H. Shortreed, Esq.	8	0 9	525	..	39·29	216	157
Fewston (Blubberhouses)	H. Shortreed, Esq.	8	0 9	575	37·1	43·66	219	167
D Bolton Abbey Estate Office	A. Downs, Esq.	5	1 2	368	36·3	39·17	207	164
D§Barden Reservoir	W. Newlands, Esq., C.E.	5	1 0	746	41·8	45·15	235	175
M Upper Barden Reservoir	W. Newlands, Esq., C.E.	5	1 0	1164	..	46·66	..	..
Thruscross (Lane Head)	H. Shortreed, Esq.	8	0 9	950	..	44·62	233	163
M§Burnsall (Thorpe Fell)	W. Newlands, Esq., C.E.	5	1 0	1649	..	44·46?	..	..
M Burnsall (Sandbed Beck)	W. Newlands, Esq., C.E.	5	1 0	676	41·0	(42·37)	..	..
d Grassington (Greenways)	Mrs. D. Sampson	5	1 0	620	..	46·57	(215)	(182)
D Grimwith Reservoir	W. Newlands, Esq., C.E.	5	1 0	884	43·9	42·74	225	168
M Grimwith (Trunla Hill)	W. Newlands, Esq., C.E.	5	1 0	1201	..	46·77	..	..
D Buckden	G. E. Clayton, Esq.	5	1 0	800	54·9	60·10	209	173
D Oughtershaw Hall	Miss G. J. Woodd	5	1 6	1175	68·7	57·48	198	167
11.—OUSE—Nidd. 254 sq. mi.								
d Wetherby (Stockeld Park)	C. E. Johnson, Esq.	5	1 2	500	25·8	33·37	..	124
Spofforth (Sewage Works)	C. E. Rivers, Esq., C.E.	5	1 0	184	27·0	34·44	195	142
d Poppleton	Second Anglo-Scottish Sugar Corpn.	8	0 10	60	..	24·92	..	..
d Wetherby (Ribston Gardens)	Mr. P. Hornby.	5	1 2	130	26·5	34·56	..	130
M Harrogate W.W. (Ling Cottage)	A. S. West, Esq., C.E.	5	1 0	740	30·5	37·07	..	..
M Harrogate W.W. (Broad Dubb)	A. S. West, Esq., C.E.	5	1 0	725	31·8	36·21	..	..
M Harrogate W.W. (Cobblers Cott.)	A. S. West, Esq., C.E.	5	1 0	730	30·9	37·96	..	..
D Harrogate W.W. (Ten Acres Res.)	A. S. West, Esq., C.E.	8	1 6	620	..	38·63	208	156
D Harrogate W.W. (Scargill Res.)	A. S. West, Esq., C.E.	8	1 0	646	32·4	38·48	206	151
D Harrogate W.W. (Beaver Dyke R.)	A. S. West, Esq., C.E.	8	0 11	575	31·0	38·48	204	156
M Harrogate W.W. (John o' Gaunts)	A. S. West, Esq., C.E.	5	1 0	600	31·2	38·45	..	..
M Harrogate W.W. (Long Stoop)	A. S. West, Esq., C.E.	5	1 0	700	31·3	38·00	..	..
M Harrogate W.W. (Knab's Moor)	A. S. West, Esq., C.E.	5	1 0	700	30·0	36·84	..	..

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
WEST RIDING—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
11.—OUSE—Nidd—(*con.*)								
D HARROGATE (Harlow Moor Obsy.)	The Late C.E.Rivers,Esq.,C.E.	5	1 0	478	30·6	32·72	176	132
D Harrogate (Harlow Hill Res.)	A. S. West, Esq., C.E.	8	1 0	589	..	33·94	189	144
D Harrogate (Duchy Road)	J. S. Farrah, Esq.	5	1 0	450	29·2	34·58	171	139
D Harrogate (Irongate Bridge Res.)	A. S. West, Esq., C.E.	8	1 6	455	29·3	37·02	193	154
D Knaresborough (Goldsbro Hall Gdns)	Mr. R. Wilson	5	1 0	112	25·8	31·50	179	128
D Knaresborough (Water Tower)	A. S. West, Esq., C.E.	5	1 0	240	..	(31·01)	172	135
Harrogate (Bilton Sewage Works)	The Late C.E.Rivers,Esq.,C.E.	5	1 0	208	28·5	34·72	191	149
D Birstwith Hall	Sir F. A. Aykroyd, Bt.	5	1 0	325	34·4	37·80	181	145
D Birstwith (Swarcliffe)	Capt. C. S. Greenwood	5	1 0	510	33·9	37·74	183	162
Ramsgill (Holme Ho. Gouthwaite)	W. Newlands, Esq., C.E.	5	1 0	464	39·9	41·33	..	..
D Ramsgill (Raygill House)	W. Newlands, Esq., C.E.	5	1 0	925	46·7	47·22	189	163
D Ramsgill	W. Newlands, Esq., C.E.	5	1 0	450	42·1	42·82	178	146
D Middlesmoor (Stean Moor)	Sir F. A. Aykroyd, Bt.	5	1 6	1000	49·6	47·04	177	158
M Nidderdale (East Gill Head)	W. Newlands, Esq., C.E.	5	1 0	1710	57·6	57·87	..	..
M Nidderdale (Rain Stang)	W. Newlands, Esq., C.E.	5	1 0	1470	47·4	48·28	..	..
D Nidderdale (New Houses)	W. Newlands, Esq., C.E.	5	1 0	755	45·8	48·90	182	155
D Nidderdale (West Houses)	W. Newlands, Esq., C.E.	5	1 0	1165	52·5	60·35	234	173
12.—OUSE—Ure. 110 sq. mi.								
d Burton Leonard	B. Coore, Esq.	5	1 0	290	..	31·30	184	134
Dallow Moor (Harper Hill)	H. Shortreed, Esq.,	8	0 9	819	..	37·58	178	150
d Ripon (Studley Royal Gdns.)	F. M. Sutherland, Esq.	5	1 6	330	29·1	41·23	..	..
D Ripon (The Red House)	F. D. Wise, Esq., C.E.	5	1 0	120	27·2	34·84	170	137
Kirby Malzeard (Drovers' Inn)	H. Shortreed, Esq.	8	0 9	576	36·0	39·78	..	..
Kirby Malzeard (Hawsett)	H. Shortreed, Esq.	8	0 9	820	37·1	39·04	179	139
w Kirby Malzeard (Hambleton Hill)	H. Shortreed, Esq.	8	0 9	1106	39·7	45·31	..	..
Kirby Malzeard (Bagwith Brae)	H. Shortreed, Esq.	5	0 9	703	32·9	38·96	224	147
w Kirby M. (Stone & Ears Wham)	H. Shortreed, Esq.	8	0 9	1118	39·7	44·80	..	..
EAST RIDING. (Area, 1,176 sq. mi.).								
1.—OUSE—Left Bank Tributaries. 82 sq. mi.								
D York (Heslington)	Hon.L.de Yarburgh-Bateson	8	1 0	39	25.3	27·40	175	132
D York (Dunnington Hall)	Miss E. C. Hildyard	8	1 2	110	24·6	27·40	200	135
2.—OUSE—Derwent. 248 sq. mi.								
D Birdsall Gardens	Mr. J. Anderson	5	1 2	308	29·2	30·93	178	127
D Westow Vicarage	Rev. G. T. W. Purchas	5	1 6	190	25·8	26·75	196	129
D Rillington (Scampston Hall)	W. H. St. Quintin, Esq.	5	1 6	102	27·1	29·40	182	131
D Ganton (Golf Club)	The Secretary	5	1 3	130	..	28·50	176	130
D Ganton (Ganton Hall)	H. Wrigley, Esq.	5	1 0	250	27·5	30·21	179	121
3.—HUMBER—Left Bank Tributaries. 675 sq. mi.								
D SPURN HEAD (Lighthouse) *new g.*	Lightkeeper (M.O.)	8	1 0	29	24·0	29·82	179	126
D Patrington (Rose Cottage)	Miss S. A. Kirman, for M.O.	5	1 3	46	23·3	26·00	158	119
D Patrington Rectory	Rev. P. R. Frost	5	1 0	50	..	25·93	173	112
d HULL (Pearson Park)	The Superintendent	5	0 10	8	25·4	(26·00)	(185)	(124)
D Hull (Springhead)	T. H. Jones, Esq., C.E.	5	1 0	16	25·5	25·78	175	120
D Cottingham (Dunswell P.S.)	T. H. Jones, Esq., C.E.	5	1 0	6	..	27·01	187	122
D Holme-on-Spalding Moor	C. J. Pybus, Esq.	8	1 0	30	25·9	26·84	180	141
D Beverley (E. Riding Mental Hosp.)	Medical Superintendent	5	1 0	175	26·5	28·66	180	132
D Beverley (New Walk)	F. J. Affleck, Esq.	5	3 0	38	26·9	29·24	158	126
D Beverley (Gas Works)	The Engineer	5	1 0	21	..	29·11	179	129
d Beverley (Hull Bridge)	F. J. Affleck, Esq.	5	2 6	11	24·9	27·57	..	128
D Market Weighton (Dalton Holme)	J. P. Jobling, Esq.	8	6 0	120	27·3	30·26	204	137
D Brandesburton Hall	The Matron	5	1 0	..	..	28·41	202	136
d Brandesburton (Hempholm Lk.)	F. J. Affleck, Esq.	5	2 6	11	24·6	28·42	..	123
D Driffield (Council School)	The Headmaster	5	1 9	69	27·2	29·82	197	129
D Lowthorpe (The Elms)	F. K. Hawes, Esq.	5	1 0	63	26·5	28·16	199	131
4.—EAST COAST STREAMS. 171 sq. mi.								
D WITHERNSEA (Municipal Gdns.)	The Surveyor	5	1 0	31	..	26·77	169	120
d Bridlington (Corpn. Nurseries)	Parks Superintendent	5	1 0	60	25·6	30·55	..	142
D BRIDLINGTON (School)	The Headmaster	5	1 0	76	..	26·73	193	129
M Ganton (Willerby Wold)	Major W. F. Wormald	5	1 2	565	..	31·35	..	..
d Filey (Muston Road)	J. R. Wiseman, Esq.	8	2 0	150	24·8	30·28	..	122

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
NORTH RIDING. (Area, 2,155 sq. mi.).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—OUSE—Ure. 273 sq. mi.								
Masham Moor (Arnagill Beck, W.)	A. S. West, Esq., C.E.	5	1 0	1210	..	45·60	..	..
Masham Moor (Arnagill Beck, E.)	A. S. West, Esq., C.E.	5	1 0	1150	..	44·31	..	..
Masham Moor (Grey Ridge)	A. S. West, Esq., C.E.	5	1 0	1330	..	48·00	..	..
Masham Moor (Low Ash Head)	A. S. West, Esq., C.E.	5	1 0	845	..	45·05	..	..
Masham Moor (Agill Head)	A. S. West, Esq, .C.E.	5	1 0	1380	..	50·65	..	..
D West Tanfield Rectory	Mr. H. H. Milman	5	1 0	150	28·7	34·40	186	129
D Masham Moor (Roundhill Res.)	A. S. West, Esq., C.E.	8	1 0	790	37·6	41·19	234	143
Masham Moor (Somerside)	H. Shortreed, Esq.	5	0 9	928	38·8	42·98	220	152
w Masham Moor (High Sour Mire)	H. Shortreed, Esq.	5	0 9	884	..	40·28	..	..
Masham Moor (Leighton Res.)	H. Shortreed, Esq.	5	0 9	634	35·9	39·44	191	134
Masham Moor (Towler Hill)	H. Shortreed, Esq.	8	0 9	820	36·7	41·30	195	138
Masham Moor (Breary Bank)	H. Shortreed, Esq.	5	0 9	600	36·8	40·78	198	139
Masham Moor (Healey Pasture)	H. Shortreed, Esq.	5	0 9	620	36·1	39·68	198	134
Masham Moor (Low Houses)	H. Shortreed, Esq.	5	0 9	693	37·9	44·94	249	160
d Clifton Castle Gardens	Lady Cowell.	5	1 0	380	29·9	(35·56)	(194)	(150)
d Middleham (Castle Hill)	C. T. Dixon-Johnson, Esq.	5	1 0	470	31·7	36·18	..	130
D West Burton (Flanders Hall)	G. T. Whitehead, Esq.	5	2 0	450	..	40·52	203	144
D West Witton (Ivy House)	J. B. Espiner, Esq.	5	1 0	605	34·1	39·41	184	145
D Leyburn (Spennithorne)	F. M. Curtis, Esq., F.R.Met.S.	5	1 0	358	..	36·39	201	135
D Leyburn (Bolton Hall)	The Head Gardener	5	1 0	420	32·6	37·94	181	139
D Askrigg (Yorebridge Gram. Sch.)	F. E. Chevins, Esq.	5	1 0	670	..	43·00	192	166
d Hawes Junction (Moorland Cottage)	W. Garnett, Esq.	5	1 6	1125	..	(70·88)	..	..
2.—OUSE—Swale. 569 sq. mi.								
D Dalton Parsonage	Rev. G. H. Chilman	5	1 0	79	23·0	29·10	182	125
D Coxwold (The Old Hall)	H. Geipel, Esq.	4	1 6	260	26·1	30·85	173	143
D Thirsk (South Villa)	B. Foggitt, Esq.	5	1 0	115	24·7	29·83	183	128
M Felixkirk (Thirlby)	A. J. Walker, Esq.	5	1 0	338	27·1	31·49	..	..
D Felixkirk (Mount St. John) (+A)	A. J. Walker, Esq.	5	1 0	540	25·8	31·84	199	139
D Felixkirk (Mount St. John) No.1	A. J. Walker, Esq.	5	1 0	540	26·5	31·77	198	137
D Bedale (Snape School)	The Headmaster	5	1 0	145	..	34·43	192	137
D Boltby (Ravensthorpe Manor)	F. E. Walker, Esq.	5	1 7	661	27·4	32·28	203	143
M Boltby, East	A. J. Walker, Esq.	5	1 0	459	26·2	34·09	..	..
M Boltby (High Paradise)	A. J. Walker, Esq.	5	1 3	1144	32·8	39·15	..	..
D Bedale (The Hermitage)	C. Clarke, Esq., F.S.I.	5	0 10	465	26·3	31·00	147	114
D Maunby Hall	Major A. Hill-Walker, V.C.	5	1 0	90	23·9	29·27	152	131
D Scruton Hall	A. Coore, Esq.	5	1 6	100	23·8	27·85	173	121
M Swaledale (Gunnerside Lodge)	Rt. Hon. Lord Rochdale	5	1 0	900	47·8	48·00	..	..
D Northallerton (Brompton)	J. P. Yeoman, Esq.	5	1 0	150	23·7	29·81	190	133
Osmotherly (Oakdale W.W.)	Northallerton U.D.C.	5	1 0	600	..	36·25	..	..
D Catterick (Aerodrome) (+A)	Meteorological Officer	8	1 0	175	..	30·71	175	120
d East Harlsey (Harlsey Hall)	Mrs. Constantine	5	1 0	370	..	33·35	..	119
D Reeth (Arkengarthdale)	Samuel Gott, Esq.	5	1 0	940	41·0	46·25	176	157
w Middleton Tyas	Mrs. Baker-Baker	5	0 10	380	25·7	31·77	..	..
3.—OUSE—Left Bank Tributaries. 153 sq. mi.								
D York (Museum)	Yorks. Phil. Soc. (Dr. W. L. Collinge)	5	1 0	57	24·3	24·84	174	119
d Stockton-on-Forest (Stockton Hall)	Mrs. Lloyd.	5	1 4	30	21·5	21·05	..	104
Haxby (Moorlands)	E. G. Tew, Esq.	6	1 6	59	24·1	27·83	..	112
4.—OUSE—Derwent. 509 sq. mi.								
D Welburn	R. Child, Esq.	5	1 0	190	26·1	31·70	222	136
D Malton (Broughton Road)	C. C. Laverack, Esq.	5	1 0	161	25·5	26·94	183	128
d Terrington (The Cliff)	Sir Alfred Lascelles	5	1 0	350	..	30·12	(186)	(141)
D Hovingham Hall	Capt. Sir W. A. Worsley, Bt.	5	0 9	119	29·0	32·08	192	148
D Ampleforth Abbey	Rev. J. B. Boyan, O.S.B.	5	1 0	313	..	31·77	191	133
d Oswaldkirk (Leyesthorpe Hall)	Major G. B. Foster	5	1 0	231	..	29·76	..	130
D Helmsley (Boys' School)	E. W. Williams, Esq.	5	1 0	225	..	34·36	212	145
D Pickering (Houndgate)‡	Dr. J. L. Kirk	5	3 0	90	26·8	29·01	180	139
D Seamer (Irton Pump. Station)	H. V. Overfield, Esq., C.E.	8	1 0	94	28·7	28·43	194	127
D Scarborough (Osgodby)	H. V. Overfield, Esq., C.E.	8	1 0	166	26·1	26·03	196	124
D East Ayton (Derwent House)	A. H. Robinson, Esq.	5	1 4	110	27·0	28·71	178	139
D Kirkby Moorside (Ravenswyke)	Capt. V. H. Holt, M.C., J.P.	5	1 0	270	27·2	30·38	158	134

‡ Formerly referred to as Hungate Hall.

DIVISION IX—YORKSHIRE—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
NORTH RIDING—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—OUSE—Derwent—(*con.*).								
D Thornton Dale (High Dalby Ho.)	J. A. Coulson, Esq.	5	1 0	325	..	28·97	149	127
D Farndale (The Vicarage)	W. J. Binnie, Esq., M.A., C.E.	8	1 0	475	..	37·93	205	149
5.—ESK & C. 278 sq. mi.								
D SCARBOROUGH	Medical Officer of Health	5	1 1	118	25·8	26·15	176	131
D Scarborough (Scalby)	Capt. W. H. L. Wordsworth	5	1 0	210	..	29·03	190	143
D Scarborough (Scalby, St. Philips)	L. T. Stewart, Esq.	5	1 0	130	26·1	24·31	181	123
d Cloughton (Cober Hill)	Yorkshire Guest House, Ltd.	5	1 0	250	..	28·01	..	..
D Egton Bridge (Bridgeholme)	Lt.-Col. R. Astley Smith	5	1 0	130	33·3	34·65	173	142
D Glaisdale (The Gables Gardens)	Mr. G. Horton	5	0 9	400	35·6	37·89	165	150
d Sleights	T. B. Cannell, Esq.	5	1 0	275	..	33·49	..	130
D Sleights (The Hall)	P. M. Horsfall, Esq.	5	1 0	220	30·7	30·36	158	132
D Danby (The School House)	J. W. Lynas, Esq.	5	1 0	500	35·2	37·46	192	155
D CASTLETON	Miss M. H. Punch	5	1 0	450	..	38·12	196	148
D Danby Lodge	Head Gardener	5	1 0	500	35·6	40·37	163	149
D Whitby (Park Hall, Aislaby)	Rev. J. H. Richardson	5	1 0	500	30·7	29·31	166	128
D Whitby (Pannett Park)	The Park Superintendent	8	1 0	148	..	27·04	168	124
D Whitby (Westthorpe)	Rev. M. A. C. Horsfall	6	1 6	150	..	26·76	158	132
D Whitby (Mulgrave Castle)	Mr. J. Corbett	5	1 0	410	29·1	29·12	184	135
D Guisborough (Lockwood Res.)	Cleveland Water Co.	8	1 0	632	33·0	37·90	219	149
D Guisborough (Waterworks)	Guisborough Water Co., Ltd.	5	1 0	575	..	34·15	164	123
D Saltburn (Skelton Castle)	Col. W. H. A. Wharton	5	0 9	272	28·1	31·47	197	145
6.—TEES. 373 sq. mi.								
D Ingleby Manor	Lord DeL'Isle & Dudley	5	1 0	460	33·9	32·83	187	123
D Kildale Hall	Major R. B. Turton	5	1 2	600	35·5	40·89	224	147
D Crathorne Hall Gardens	J. L. Dugdale, Esq.	5	1 3	185	25·0	28·64	176	117
D Barningham Park	Sir F. Milbank, Bart.	8	1 0	750	32·6	40·62	214	147
d Yarm (Worsall Hall)	Major H. K. D. Evans	5	1 0	60	..	29·80	..	113
D Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1 3	287	25·2	30·93	174	124
D Marton-in-Cleveland (Gartheen)	G. R. Collinson, Esq., C.E.	5	1 0	160	23·5	27·95	185	121
D Middlesbrough (Albert Park)	R. Sutcliffe, Esq.	5	1 0	30	23·7	27·03	166	129
M Baldersdale (Aygill)	G. R. Collinson, Esq., C.E.	5	1 0	1250	45·0	51·00	..	..
D Lartington Filters	G. R. Collinson, Esq., C.E.	5	1 0	725	30·2	36·66	183	136
M Baldersdale (Blackton Res.)	G. R. Collinson, Esq., C.E.	5	1 0	937	40·5	45·30	..	..
M Baldersdale (Balderhead)	G. R. Collinson, Esq., C.E.	5	1 0	1320	45·7	49·40	..	..
D Baldersdale (Hury R.) *old g site*	G. R. Collinson, Esq., C.E.	5	1 0	866	36·0	38·29	202	146
D Baldersdale (Hury R.) *new g site*	G. R. Collinson, Esq., C.E.	5	1 0	862	37·3	39·54	202	146
M Lunedale (Dow Crag)	G. R. Collinson, Esq., C.E.	5	1 0	1720	56·0	62·15	..	..
M Lunedale (Lunehead)	G. R. Collinson, Esq., C.E.	5	1 0	1450	55·6	58·95	..	..
M Lunedale (Selset)	G. R. Collinson, Esq., C.E.	5	1 0	924	40·8	41·90	..	..
D Lunedale (Grassholme Res.)	G. R. Collinson, Esq., C.E.	5	1 0	936	39·7	42·65	198	155
M Lunedale (Keekham)	G. R. Collinson, Esq., C.E.	5	1 0	1660	59·5	69·20	..	..
M Lunedale (Hargill)	G. R. Collinson, Esq., C.E.	5	1 0	1320	53·4	56·60	..	..

DIVISION X—NORTHERN COUNTIES.

DURHAM. (Area, 1,011 sq. mi.).

1.—TEES & C. 396 sq. mi.								
D Darlington (South Park)	T. J. Morrison, Esq.	5	1 0	150	27·1	30·56	192	118
D Darlington (Broken Scar)	G. R. Collinson, Esq., C.E.	5	1 0	158	26·2	30·98	174	123
d Darlington (Stanhope Road)	The late Rev. A. W. M. Close	5	1 0	180	27·2	(31·68)	(178)	(126)
D Darlington (Fighting Cocks Res.)	G. R. Collinson, Esq., C.E.	5	1 0	150	25·2	30·64	177	126
D Egglescliffe	G. C. Jones, Esq.	8	1 2	100	24·0	29·12	172	117
D Whorlton Vicarage	Rev. E. E. Gleaves	5	1 0	400	25·7	32·35	161	120
D Piercebridge (Carlbury Hall)	J. H. Pease, Esq.	5	1 0	222	26·3	30·84	176	122
D Gainford	H. L. Fife, Esq.	5	1 0	260	26·3	31·41	169	115
D Barnard Castle (Bowes Museum)	S. E. Harrison, Esq.	6	1 0	500	30·4	37·28	206	146
D Barnard Castle (County School)	The Bursar	5	1 6	540	29·1	35·59	183	135
D Long Newton Reservoir	G. R. Collinson, Esq., C.E.	5	1 0	184	25·5	29·26	183	126
D Stockton-on-Tees (Hartburn Lo.)	C. Nielsen, Esq.	5	0 10	45	24·4	31·10	191	136
d Stockton-on-Tees (Ropner Park)	Park Curator	5	0 9	61	22·9	27·48	..	..
D Stockton-on-Tees (Billingham)	I.C.I. (Fert. & Syn. Prod.) Ltd.	5	1 6	35	23·3	26·36	177	118

DIVISION X—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DURHAM—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—TEES & C.—(*con.*).								
D Billingham-on-Tees	(+A)...The Engineer & Surveyor ..	8	1 0	58	..	26·57	180	119
D Staindrop (Raby Castle) *new g*	.....Lord Barnard.....	5	1 0	450	27·6	36·74	204	132
d Stillington Park	.....Messrs. Dorman, Long & Co., Ltd...	5	1 0	140	27·1	(28·39)	..	..
d Middleton-in-Teesdale School	.....The Headmaster.....	5	1 0	740	35·9	43·18	..	..
D Middleton-in-Teesdale (Newbiggin) *new g*	R. Coggins, Esq.....	5	1 0	1000	40·8	52·54	214	168
D Hurworth Burn (Crookfoot Res.)	..J. R. Bradshaw, Esq.....10		1 6	296	25·4	25·99	191	122
D West Hartlepool (Waterworks)	....J. R. Bradshaw, Esq.....10		1 0	35	24·7	26·20	222	129
D Hurworth Burn Reservoir	.....J. R. Bradshaw, Esq.....10		1 0	357	26·5	28·55	191	117
D Hartlepool (Hart Reservoir)	.....J. R. Bradshaw, Esq.....10		1 0	172	..	23·61	187	119
D Shotton (New Winning P. S.)	.....A. B. E. Blackburn, Esq., C.E.	8	1 0	402	29·4	31·88	201	131
D Easington (Mill Hill Res.)	.....A. B. E. Blackburn, Esq., C.E.	8	1 0	521	..	31·00	194	126
D Seaham (Dalton Pumping Sta.)	....A. B. E. Blackburn, Esq., C.E.	8	1 0	345	27·0	30·19	197	120
2.—WEAR. 464 sq. mi.								
d Wolsingham (Shull)	.....Mrs. W. A. Mounsey.....	5	1 0	650	..	34·20?	..	133
d Spennymoor (T. St. Charles' School)	C. K. Hanratty, Esq.	5	1 0	344	..	(28·84)	..	..
d Stanhope (Parson Byers Qy.)	..Messrs. Dorman Long & Co., Ltd.	5	6 8	846	31·7	32·15	..	..
M Burnhope (Grass Meres)	.....H. Robinson, Esq., C.E.....	5	1 3	1850	59·1	65·90	..	..
M Burnhope (Lodgegill Mine)	.....H. Robinson, Esq., C.E.....	5	1 3	1950	61·4	71·57	..	..
D Burnhope Bridge	.....H. Robinson, Esq., C.E.....	8	1 0	1160	..	59·35	218	175
M Cowshill (Wellheads Hush)	.....H. Robinson, Esq., C.E.....	5	1 6	1690	52·7	65·85	..	..
d Durham (HOUGHALL Hort. Sta.)	..Durham County Council...	5	1 0	160	27·9	31·22	..	123
D DURHAM	.....(+A).Univ. Obsy. (F. Sargent) ..	8	1 0	336	24·6	29·16	180	122
D Weardale W.W. (Tunstall Res.)	....H. Robinson, Esq., C.E.....	8	1 2	724	32·4	36·80	196	150
D USHAW (COLLEGE)	.....The Headmaster	5	1 0	594	28·2	32·18	191	128
M Weardale W.W. (Waskerley 6)	....H. Robinson, Esq., C.E.....	8	1 0	1229	..	38·76	..	..
M Weardale W.W. (Waskerley 3)	....H. Robinson, Esq., C.E.....	8	1 0	1433	..	40·07	..	..
D Weardale W.W. (Waskerley)	.....H. Robinson, Esq., C.E.....	8	1 0	1179	33·1	34·59	206	152
M Weardale W.W. (Waskerley 1)	....H. Robinson, Esq., C.E.....	8	1 0	1317	..	37·99	..	..
D Consett (Crookhall)	.....H. Shackleton, Esq.....	5	1 0	642	..	36·70	172	136
D Ryhope Pumping Station	.....A. B. E. Blackburn, Esq., C.E.	8	1 1	228	25·4	27·23	180	117
D Pelton Council School	.....The Headmaster.....	5	1 0	240	..	(31·53)	190	119
Washington (Glebe Sen. School)	...A Robson, Esq.....	5	1 2	160	..	29·01	..	..
D Sunderland (Hendon Gas Works)	..Sunderland Gas Co.....	5	1 0	70	..	27·29	191	118
D Sunderland (W. Hendon H.) No. 5	.Mrs. W. A. Mounsey.....	5	1 0	130	25·6	29·03	196	122
D Sunderland (Mowbray Pk.)	..(+A).Medical Officer of Health...	5	1 0	105	25·6	26·23	177	120
3.—TYNE, LOWER. 151 sq. mi.								
D Weardale W.W. (Hisehope Res.)	...H. Robinson, Esq., C.E.....	5	1 0	1450	..	37·19	206	150
D Weardale W.W. (Smiddy Shaw)	...H. Robinson, Esq., C.E.....	8	1 3	1128	34·1	34·84	206	155
D Consett Park Farm	.....T. Hutton, Esq., C.E.....	8	1 0	630	..	35·01	181	135
D Rowlands Gill (CHOPWELLWOOD)	.Forestry Commission	8	1 0	446	28·7	33·42	174	124
D Sunderland (Cleadon Pump. Stn.)	..A. B. E. Blackburn, Esq., C.E.	8	1 0	216	24·4	26·51	167	115
D South Shields (Bent's Park)	.....Dr. W. Campbell Lyons....	5	1 0	36	24·2	31·03	201	135
D South Shields (South Pier Wks.)	...R. F. Hindmarsh, Esq., C.E.	5	1 0	17	..	26·86	178	112
NORTHUMBERLAND. (Area, 2,015 sq. mi.).								
1.—EDEN. 20 sq. mi.								
2.—SOUTH TYNE. 232 sq. mi.								
d Allenheads	.....R. Hepple, Esq.....	8	1 0	1350	..	40·58	..	..
3.—TYNE, LOWER. 227 sq. mi.								
D Corbridge (Howden Dene)	.....T. D. Straker-Smith, Esq...	5	1 0	200	27·3	30·62	189	126
D Newcastle (Leazes Park)	.....W. J. Steele, Esq., C.E.....	5	1 0	255	26·4	29·27	157	124
D Newcastle (Armstrong College)	....University of Durham.....	5	1 0	183	..	29·63	175	123
D Newcastle (Deaf & Dumb Inst.)	....The Superintendent.....	5	1 8	201	24·7	26·90	162	110
d Wallsend (Carville School)	.....E. L. Strong, Esq.	5	1 3	100	..	(27·15)	..	..
D Tynemouth (Tyne Pier Works)	....R. F. Hindmarsh, Esq., C.E.	5	1 0	54	25·1	26·67	164	127
D TYNEMOUTH (C.G. Sta.) *new g.*	... Chief Officer (M.O.)	8	1 0	108	24·5	28·21	177	116
D Whittle Dene Filters (Newc. W.W.)	A. Hardcastle, Esq., C.E....	5	1 1	353	26·6	31·64	205	129
D Whittle Dene Res. (Newc. W.W.)	..A. Hardcastle, Esq., C.E....	5	0 6	380	25·3	30·67	200	124

DIVISION X—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
NORTHUMBERLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NORTH TYNE. 433 sq. mi.								
Ryal Cottage (Newcastle W.W.)	A. Hardcastle, Esq., C.E.	5	0 9	463	29·1	28·93	..	..
Hallington Vill. (N'castle W.W.)	A. Hardcastle, Esq., C.E.	5	1 0	467	29·9	31·73	..	..
D Hallington Res. (N'castle W.W.)	A. Hardcastle, Esq., C.E.	5	1 0	470	29·3	30·73	195	133
Hallington (Fawcett) (Newc. W.W.)	A. Hardcastle, Esq., C.E.	5	1 2	537	28·2	32·53	..	..
Hallington (Cheviott) (Newc. W.W.)	A. Hardcastle, Esq., C.E ..	5	1 2	576	27·8	31·55	..	..
Camphill (Newcastle W.W.)	A. Hardcastle, Esq., C.E.	5	1 0	650	29·4	33·73	..	..
D Colt Crag Res. (N'castle W.W.)	A. Hardcastle, Esq., C.E.	5	1 0	654	..	33·17	203	140
Green Crag (Newcastle W.W.)	A. Hardcastle, Esq., C.E.	5	1 0	900	30·4	37·41	..	..
D BELLINGHAM (Highgreen)	Sir C. Morrison-Bell, Bt.	5	1 0	849	35·4	37·28	214	156
D Redewater (Catcleugh)	A. Hardcastle, Esq., C.E.	5	1 0	819	40·2	47·44	232	173
5.—COQUET & C. 840 sq. mi.								
Whittington (Newcastle W.W.)	A. Hardcastle, Esq., C.E.	8	0 9	528	28·1	29·24	..	..
Burnside (Newcastle W.W.)	A. Hardcastle, Esq., C.E.	5	0 9	419	27·2	28·76	..	..
D Kirkwhelpington	J. R. Wardle, Esq.	5	1 3	581	..	32·28	184	133
D Morpeth (High Stanners)	R. Matheson, Esq., Jnr.	8	1 0	90	..	29·12	189	120
D Ashington (Bothal School)	J. Gray, Esq.	5	8 0	110	25·3	27·28	188	128
D Morpeth (COCKLE PARK)	Northumberland Co. Council	8	1 0	325	29·3	30·34	189	127
D Font Res. (Tynemouth W.W.)	J. W. McKerrow, Esq.	10	1 2	620	31·1	37·23	214	145
d Acklington (Broomhill Colliery)	A. M. Morison, Esq.	5	1 4	92	24·9	29·69	..	118
D Rothbury (Waterleap)	H. C. Millican, Esq.	5	1 0	350	..	33·23	182	131
D Callaly Castle Gardens	E. J. Farmer, Esq.	5	1 0	300	..	31·84	197	137
D Alnmouth (Nether Grange)	Miss E. Pease, J.P., O.B.E..	5	1 6	40	26·2	25·72	167	124
D Howick Hall Gardens	The Rt. Hon. Earl Grey ...	8	1 0	110	28·2	28·46	183	132
D Stamford	W. Robertson, Esq.	5	3 8	175	..	24·26	168	111
D Doxford Hall	Rt. Hon. Walter Runciman, P.C.	5	1 0	150	..	28·05	179	122
D Chathill (Preston Tower)	G. G. Baker Cresswell, Esq.	8	1 0	140	28·3	28·53	173	123
D Belford (Newlands)	C. H. Sanderson, Esq.	5	4 8	130	..	25·34	196	122
6.—TWEED. 262 sq. mi.								
D Wooperton	Mrs. Burdon	6	1 6	..	30·0	32·65	161	136
D Kirknewton (Coldburn)	Mrs. A. Cowe	5	0 9	750	42·4	40·38	186	125
D Ilderton (Lilburn Tower Gdns.)	Mr. W. Lovett	5	1 0	250	30·4	30·49	195	135
d Wooler (Victoria House)	Miss E. M. Dodds	5	1 0	176	26·8	31·32	..	..
Mindrum (Thornington House)	Leonard Briggs, Esq.	5	..	..	28·6	32·11	..	..
D BERWICK-ON-TWEED (Ramparts)	Borough Surveyor	5	1 0	76	23·4	24·17	164	118
7.—INSULAR. 1 sq. mi.								
CUMBERLAND. (Area, 1,516 sq. mi.)								
1.—EDEN & SOLWAY. 887 sq. mi.								
D Ullswater (Hallsteads)	F. A. Carr, Esq.	5	1 0	497	54·7	54·09	200	166
D Watermillock (Gatesgarth)	Mrs. Spring-Rice	5	1 6	874	..	55·22	218	182
D Penrith (Hutton John)	F. Huddleston, Esq., C.E.	5	1 0	688	45·1	47·30	215	164
D Penrith (Laurel Bank)	A. B. Sinclair, Esq.	5	1 0	480	36·4	34·77	192	152
D Penrith (NEWTON RIGG)	Cumberland County Council	8	1 0	560	36·4	34·62	196	143
D Penrith (Town Hall)	The Engineer & Surveyor ..	5	2 6	..	..	37·85	189	145
D Uldale (Chapel House Res.)	J. R. Watters, Esq.	8	1 0	620	46·2	47·60	198	160
D Penrith (Nunwick Hall)	Lt. Col. C. H. F. Thompson .	5	2 0	268	31·8	35·05	188	158
D Troutbeck (Wellbank)	Miss R. A. S. Streatfeild ...	5	1 0	800	..	65·68	214	174
D Caldbeck (Friar Row)	Dr. Mabel Barker	5	1 0	520	..	44·14	194	152
M Allonby	W. H. Williamson, Esq., J.P.	5	1 0	25	..	30·41	..	..
D Wigton (Brookfield)	David W. Reed, Esq., B.Sc..	5	1 0	124	36·7	32·37	170	142
D Wreay Vicarage	Rev. Canon A. R. Hall	5	1 0	310	31·5	30·88	216	144
D Silloth	Miss A. P. Farries	5	1 0	27	..	35·80	176	148
D Geltsdale	P. Dalton, Esq., C.E.	5	1 2	778	36·8	35·12	212	158
D Carlisle (Spital Cemetery)	The Superintendent	8	1 0	114	31·8	28·98	182	134
Carlisle (Denton Holme)	W. Eggleston, Esq., J.P.	5	1 0	57	30·1	30·04	..	..
D Carlisle (Scaleby Hall)	Lady Allison	5	1 0	111	33·7	33·20	186	143
D Bewcastle (Ashycroft)	Border R.D.C.	5	1 0	750	..	46·83	203	164

DIVISION X—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.		Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CUMBERLAND—(*con.*).		*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
2.—DERWENT. 257 sq. mi.									
M Sprinkling Tarn	F. Bainbridge, Esq., for M.O.	5	1	6	1985	..	150·50	..	..
M Styehead Tarn	F. Bainbridge, Esq., for M.O.	5	1	0	1472	..	145·75	..	..
Stye Head B.	F. Bainbridge, Esq., for M.O.	5	1	6	1070	..	146·25	..	..
M Stye Head A. *new g.*	F. Bainbridge, Esq., for M.O.	5	1	0	1100	..	148·25	..	..
M Borrowdale (Stockley Bridge)	F. Bainbridge, Esq., for M.O.	5	1	0	585	..	136·50	..	..
Borrowdale (Seathwaite) garden	F. Bainbridge, Esq., for M.O.	5	1	6	423	122·0	128·10	..	..
M Helvellyn (Hill Top Gill)	Manchester Corpn. W.W. ..	5	1	0	1050	..	104·65	..	..
M Ullscarf	Manchester Corpn. W.W.	5	1	0	2100	..	128·99	..	..
M Helvellyn (Birkside)	Manchester Corpn. W.W.	5	1	0	1900	..	103·45	..	..
M Wythburn	Manchester Corpn. W.W.	5	1	0	610	99·6	103·37	..	..
M Helvellyn (Brown Rigg) *new g.*	Manchester Corpn. W.W. ..	5	1	0	1450	..	119·48	..	..
D Borrowdale (The Moraine)	G. Scott, Esq.	5	1	0	330	97·5	105·79	223	194
M Helvellyn (Brown Cove)	Manchester Corpn. W.W. ..	5	1	0	2250	..	108·75	..	..
D Watendlath Farm	W. Tyson, Esq., for M.O. ..	5	1	0	800	..	93·99	202	187
M Armboth Fells (The Pewitts)	Manchester Corpn. W.W.	5	1	0	1650	..	98·97	..	..
M Helvellyn (Whiteside), *new g.*	Manchester Corpn. W.W.	5	1	0	2100	..	103·64	..	..
D Buttermere (Hassness)	E. Dixon, Esq.	6	1	0	350	105·9	100·54	232	210
Thirlmere (Dale Head Hall), *new g.*	Manchester Corpn. W.W.	6	1	0	620	..	95·05	268	204
D Cockermouth (Loweswater)	Miss S. H. Frith	5	1	0	353	..	60·88	218	178
D Keswick (Lingholm Gardens)	J. Elson, Esq.	5	1	0	300	65·7	69·07	206	168
D Keswick (Derwent Island) *new g.*	Denis Marshall, Esq.*	5	1	0	290	57·0	58·79	219	169
D Keswick (High Hill)	Clerk to the U.D.C.	5	1	0	254	54·9	56·71	189	162
D Portinscale (High Moss)	Mrs. J. E. Brown	5	1	0	285	61·9	56·66	214	167
D Lorton (Kirkfell House)	Mrs. C. Wigham	5	1	0	403	..	52·18	187	156
D Keswick (Mirehouse)	Miss Spedding	5	1	6	280	49·8	52·69	173	148
D Workington (Stainburn Res.)	The Borough Surveyor	5	1	0	180	36·9	39·27	185	160
D Threlkeld (Blencathra Sanat.)	Medical Superintendent	5	1	0	885	61·5	63·64	204	174
Camerton Vicarage	Rev. E. C. Bennett	5	1	0	200	36·2	33·90	..	..
D Bassenthwaite (Higham)	G. F. Fisher, Esq.	5	0	9	500	44·9	43·85	210	166
3.—WEST COAST STREAMS. 235 sq. mi.									
D Ravenglass (The Grove)	Walter Marchant, Esq.	5	1	0	70	42·5	43·75	210	158
D Braystones	H. H. Watson, Esq.	5	1	0	36	37·5	39·01	206	164
M Wast Water (Wasdale Head)	H. H. Watson, Esq.	5	1	0	280	..	93·05	..	..
D St. Bees (Fern Bank)	Lt.-Col. G. Dixon	5	1	0	60	42·7	41·94	208	162
M Ennerdale (Gillerthwaite)	H. H. Watson, Esq.	5	1	0	445	..	90·84	..	..
D Whitehaven (Scragill Reservoir)	A. Wilson, Esq., C.E.	8	1	0	188	43·5	45·45	206	164
D Workington (Winscales House)	Miss E. W. Trench.	5	1	0	440	37·2	38·27	199	156
4.—DUDDON & C. 50 sq. mi.									
D§Ulpha	Claude Diamond, Esq.	5	1	0	251	..	76·60	234	192
5.—SOUTH TYNE. 87 sq. mi.									
D Alston Vicarage	Rev. N. A. Walton	5	1	0	940	..	45·67	206	162
WESTMORLAND. (Area, 783 sq. mi.)									
1.—EDEN. 373 sq. mi.									
D Kirkby Stephen (Eden Place)	Mrs. Paul Mason	5	1	0	544	42·3	43·25	202	151
Wasdale Pike	Manchester Corpn. W.W.	5	1	0	1825	..	85·53	..	..
Mosedale (Mosedale Cottage)	Manchester Corpn. W.W.	5	1	0	1443	87·8	93·30	..	..
Wet Sleddale (Mirethwaite)	Manchester Corpn. W.W.	5	1	0	995	64·7	70·45	223	175
M Blea Water	Manchester Corpn. W.W. ..	5	1	0	1465	..	112·70	..	..
M Blea Water B.	Manchester Corpn. W.W. ..	5	1	0	1420	..	124·44	..	..
Shap (Birkbeck Fell)	Manchester Corpn. W.W.	5	1	0	935	56·0	59·81	..	..
Swindale Parsonage	Manchester Corpn. W.W.	5	1	0	875	..	76·07	..	..
Mardale (Low Raise)	Manchester Corpn. W.W.	5	1	0	2465	..	92·19	..	..
Shap (Thornship Gill)	Manchester Corpn. W.W.	5	1	0	844	51·4	62·78	..	..
Shap (Tailbert Head)	Manchester Corpn. W.W.	5	1	0	1100	55·6	58·25	210	165
Hawes Water (Boulderstone Nab)	Manchester Corpn. W.W. ..	5	1	0	744	..	81·77	..	..
M Hawes Water (Naddle Head)	Manchester Corpn. W.W. ..	5	1	0	1150	..	77·74	..	..
M Hawes Water (Wallow Crag)	Manchester Corpn. W.W. ..	5	1	0	1250	..	77·47	..	..
M Hawes Water (Naddle House)	Manchester Corpn. W.W.	5	1	0	825	60·5	68·69	..	..
Hawes Water (Measand)	Manchester Corpn. W.W.	5	1	0	824	69·6	73·61	..	..

* *Per* Miss Cordelia Marshall.

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	WESTMORLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—EDEN—(*con.*).								
	Measand Beck (Keasgill)	Manchester Corpn. W.W.	5	1 0	1800	..	87·37	..	..
M	Hawes Water (Thornthwaite Park)	Manchester Corpn. W.W.	5	1 0	650	..	69·14	..	..
D	Hawes Water (Burn Banks)	Manchester Corpn. W.W.	5	1 0	900	..	72·97	217	174
D	Patterdale Hall	M. Marshall, Esq.*	5	1 3	490	86·4	92·10	209	182
d	Patterdale (Greenside Mine)	Matthew Place, Esq.	7	0 8	1100	91·9	92·12	..	..
M	Bampton (Low Kop) B.	Manchester Corpn. W.W.	5	1 0	1750	..	68·81	..	..
	Bampton (Walmhow)	Manchester Corpn. W.W.	5	1 0	615	46·5	62·09	199	163
	Bampton (Stanegarth)	Manchester Corpn. W.W.	5	1 0	913	59·5	65·21	..	..
M	Cawdale Beck (Howe Grain)	Manchester Corpn. W.W.	5	1 0	1642	..	73·48	..	..
	Heltondale (Kidmoor)	Manchester Corpn. W.W.	5	1 0	1025	..	62·05	..	..
D	Appleby (Castle Bank)	Lady Holmes	5	1 0	440	35·0	37·09	197	154
	Ullswater (Sharrow Bay)	Mr. G. Robinson	5	1 0	600	45·8	47·96	..	..
D	Morland	F. R. Markham, Esq.	5	1 0	455	35·6	40·27	177	155
D	Penrith (Lowther Castle)	Mr. J. Jeffrey	5	1 0	760	41·8	45·98	188	157
D	Penrith (Barton House)	Mrs. Legh Tolson	5	1 0	500	42·4	42·49	194	157
D	Temple Sowerby (The Grange)	L. F. Phillips, Esq.	5	1 1	370	30·7	33·37	184	138
	2.—LEVEN. 60 sq. mi.								
D	Windermere (Nurseries)	The Lakeland Nurseries, Ltd.	5	0 6	350	..	64·74	183	166
D	Windermere (St. Rule)	Miss E. M. Bullock	5	1 0	350	..	61·80	202	172
D	Windermere (Hammar Bank)	Mrs. H. Coutts	5	1 0	200	61·4	63·83	221	177
D	Windermere (Holehird)	H. L. Groves, Esq.	5	1 0	483	68·0	67·86	254	191
D	Windermere (Brockhole)	W. Gaddum, Esq.	5	1 6	175	66·3	64·82	221	176
D	Ambleside (Wansfell)	Miss Wrigley	8	1 0	150	71·9	71·25	213	180
M	Little Langdale (Fell Foot)	Miss C. Marshall	5	2 2	380	108·2	104·10	..	..
D	Ambleside (White Craggs)	C. H. Hough, Esq.	5	1 7	200	72·1	72·05	195	183
D	Ambleside The Lakes (U.D.C.)	The Clerk to the Council		1 0	145	..	67·90	208	175
D	Ambleside (Market Square)	G. A. Johnston, Esq., M.D.	5	1 0	180	75·1	77·25	224	193
d	Ambleside (Lesketh How)	Miss Benson*	5	..	175	..	77·16	230	..
D	Rydal (The Stepping Stones)	Mrs. D. Dickson	5	1 3	190	80·6	76·42	210	188
D	Rydal (High Close)	F. E. T. Jones Balme, Esq.	8	0 9	553	83·3	83·36	215	188
D	Rydal (The Hall)	R. E. Porter, Esq.	5	1 0	354	82·1	84·93	238	194
D	Grasmere (Huntingstile)	H. Pownall, Esq.	5	1 0	335	..	89·71	227	191
D	New Dungeon Ghyll Hotel	Miss C. Marshall	5	1 1	310	110·2	95·62	195	181
	Mickleden	Miss C. Marshall	5	1 6	490	130·8	121·64	..	..
D	Grasmere (The Wray)	Miss G. M. Simpson	5	1 0	221	88·5	91·86	227	201
	3.—KENT. 188 sq. mi.								
D	Burton (Under Fell)	J. B. Hoyle, Esq.	5	0 9	225	42·3	42·74	206	151
D	Heversham (Plumtree Hall)	Miss M. C. Watson	5	0 8	115	45·7	46·56	215	157
D	Levens (Beathwaite)	Robert Bush, Esq.	5	1 0	105	..	50·12	214	161
d	Endmoor (Whinyeats)	H. Corder, Esq.	5	0 8	325	..	48·58	..	150
D	Killington Reservoir	L. M. & S. Rly. Co.	5	1 0	670	..	51·35	195	158
D	Kendal Gasworks	Kendal Gas & Water Co.	5	1 11	140	..	47·26	195	151
D	Kendal (Fisher Tarn Res.)	Kendal Gas & Water Co.	5	1 0	742	..	50·34	201	162
D	Kendal (Underley Hill)	Miss M. Newby	5	1 0	289	..	49·80	187	157
D	Kendal (Ellergreen)	J. W. Cropper, Esq.	5	1 6	270	58·2	59·37	201	169
D	Kendal (Burneside)	W. E. Brown, Esq.	5	1 0	165	53·2	54·37	205	174
D	Kendal (Kent Lea)	R. J. Cragghill, Esq.	5	1 0	165	..	51·55	208	172
D	Kendal (Skelsmergh)	F. G. Linnell, Esq.	5	1 0	450	..	57·93	215	177
D	Kendal (Potter Fell)	J. Cropper & Co., Ltd.	5	2 0	750	70·6	77·25	195	175
w	Troutbeck (Dubbs Reservoir)	J. N. Leckie, Esq.	5	1 3	745	..	60·50	..	..
D	Kentmere Head Reservoir	Kendal Res. Commissioners.	5	1 6	920	..	108·82	198	185
	4.—LUNE. 122 sq. mi.								
D	Kirkby Lonsdale (Stoop Lane)	Mrs. H. E. Hollins	5	2 0	210	..	46·50	204	163
D	Barbon Manor	Lord Shuttleworth	5	1 3	650	..	47·43	199	177
D	Barbon (The Stores)	A. W. Ireland, Esq.	5	1 0	310	46·6	42·76	225	155
	Ravenstonedale (Railway Station)	J. T. Sanderson, Esq.	5	1 0	800	..	45·31	..	..
	5.—TEES. 40 sq. mi.								
M	Lunedale (Conny Pot)	G. R. Collinson, Esq., C.E.	5	1 0	1840	53·7	61·65	..	..
w	Upper Teesdale (Moor House)	G. Manley, Esq.	5	1 0	1850	..	72·50	..	..

* *Per* Miss Cordelia Marshall.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS.

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	MONMOUTH. (Area, 534 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—RHYMNEY. 39 sq. mi.								
d	Rumney (Witla Court)	Mrs. Edwards	5	1 0	175	39·4	40·69	..	..
D	Machen (Machen Quarry)	Machen Quarries, Ltd.	5	1 1	250	..	51·77	203	177
	2.—EBBW. 88 sq. mi.								
D	Rogerstone (Rhiwderin)	Lady Forestier-Walker	5	1 0	250	..	48·75	165	148
D	Rogerstone (Newport Golf Links)	Col. Blethyn T. Rees, C.E.	5	0 8	304	..	47·38	205	161
D	Blackwood	D. H. Price, Esq.	5	0 10	630	..	51·44	221	176
D	Abertillery (The Park)	S. E. Thomas, Esq.	5	1 0	700	57·2	66·97	217	182
d	Tredegar Laboratory	Tredegar Iron & Coal Co. Ltd.	5	2 0	950	59·8	64·04	..	..
D	Ebbw Vale (Iron Works)	Ebbw Vale Steel & Iron Co., Ltd.	8	1 0	902	56·6	61·01	225	183
	3.—USK & C. 290 sq. mi.								
D	Redwick	Col. Blethyn T. Rees, C.E.	5	1 3	24	..	38·49	193	156
D	Portskewett (Sudbrook)	S. W. Moore, Esq., C.E.	8	1 0	51	..	33·64	169	141
D	Newport (Stow Park)	J. Francis Jupp, Esq., C.E.	5	1 0	200	..	41·72	190	154
D	NEWPORT (Hospital)	Medical Officer of Health	8	1 0	265	..	47·31	206	161
D	Newport W.W. (Friar St. Yard)	Newport Corporation	5	6 0	32	..	42·16	196	153
D	Newport W.W. (Ynis-y-fro Res.)	Newport Corporation	5	1 0	130	..	45·62	224	163
D	Caerleon (The Croft)	Col. Blethyn T. Rees, C.E.	5	1 0	51	..	42·09	217	156
D	Newport W.W. (Pant-y-reos Res.)	Newport Corporation	5	1 0	485	..	53·70	211	157
D	Newport W.W. (Llanvaches)	Newport Corporation	5	0 10	456	..	45·42	199	157
D	Newport W.W. (Nantypridd)	Newport Corporation	5	1 0	500	..	48·84	198	160
D	Chepstow (Itton Court)	Lady Curre	5	1 0	390	..	47·95	199	168
D	Newport W.W. (Newchurch)	Newport Corporation	5	1 0	550	..	49·26	199	160
D	USK (Monmouth Agric. Instn.)	The Principal	5	1 0	70	..	43·10	174	143
D	Abersychan (Glansychan)	Mr. H. Davey	5	1 2	699	55·0	62·05	256	179
D	Goytre (Goytre Hall)	Mrs. Lionel Whitehead, O.B.E.	5	1 0	300	46·1	52·08	180	155
D	Blaenavon (Estate Office)	E. J. John, Esq.	8	1 0	1144	55·1	63·85	174	157
D	Abergavenny (Penpergwm)	Leslie R. Pym, Esq.	5	1 0	186	..	46·03	188	145
D	Abergavenny (Plas Derwen)	Alan Whitehead, Esq.	5	1 3	200	..	50·89	207	166
D	Abergavenny (Ty Clyd)	F. D. Llewelyn, Esq.	5	1 0	272	45·1	49·88	197	149
D	Abergavenny (Richmond Road)	W. H. Edmunds, Esq.	8	1 0	256	40·6	47·36	189	146
D	Abergavenny (Larchfield)	Dr. N. R. Phillips	5	1 0	240	37·5	45·27	189	143
D	Abergavenny (The Chain)	Miss Baker-Gabb	5	1 0	310	..	46·27	199	143
D	Grwyne Fawr (Coed Dias)	Miss Baker-Gabb	5	1 0	900	..	48·51	223	172
	4.—WYE. 117 sq. mi.								
D	Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	0 11	55	..	36·51	177	133
D	Trewyn	Mrs. C. C. Molyneux	5	0 10	500	..	45·50	200	157
D	Grosmont	Miss D. K. Estcourt	5	1 0	420	..	42·09	197	155
	GLAMORGAN. (Area, 808 sq. mi.)								
	1.—LOUGHOR. 55 sq. mi.								
D	Felindre (Blaenant Ddu)	J. Hassall, Esq., C.E.	5	1 3	346	..	54·29	219	176
D	Felindre (Lower Lliw Res.)	J. Hassall, Esq., C.E.	8	1 3	426	..	51·40	218	169
D	Felindre (Upper Lliw Res.) (+A)	J. Hassall, Esq., C.E.	8	1 3	599	..	56·76	222	181
	2.—GOWER PENINSULA. 62 sq. mi.								
D	Gower (Penrice Castle)	W. E. Harrison, Esq.	5	1 6	18	..	48·52	223	175
D	Penmaen (Cefn Mor)	Mrs. R. A. Bostock	5	1 6	300	41·5	39·70?	209	157
D	Clyne Castle	Adml. A. Walker-Heneage-Vivian	5	1 9	50	..	46·25	217	165
	3.—TAWE. 47 sq. mi.								
D	SWANSEA (Victoria Park) (+A)	The Town Clerk	8	1 0	32	..	46·73	221	168
D	Clydach (Wernfadog)	W. J. P. Player, Esq.	8	1 0	400	..	53·21	234	177
d	Clydach	The Mond Nickel Co.	8	1 4	78	..	45·31	(231)	(185)
D	Pontardawe	The Clerk to the R.D.C.	5	1 0	350	..	61·13	..	177
D	Ystalyfera (Wern House)	Miss L. Williams	5	1 6	240	64·8	60·26	211	177
	4.—NEATH. 82 sq. mi.								
D	Briton Ferry (Brynsiriol)	H. A. Clarke, Esq., C.E.	5	1 0	33	..	42·01	193	163
D	Briton Ferry(Cefn Court)	H. A. Clarke, Esq., C.E.	5	1 0	503	47·7	44·82	205	180

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
GLAMORGAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NEATH—(*con.*).								
D Neath (Oil Refineries)	National Oil Refineries, Ltd..	5	7 0	145	..	42·25	208	167
D Neath (Cimla Reservoir)	H. A. Clarke, Esq., C.E.....	5	1 0	360	..	44·46	206	172
D Neath (Gnoll Reservoir)	H. A. Clarke, Esq., C.E.....	5	1 0	204	52·1	46·39	209	174
D Neath (Bryn-Teg)	H. P. Lloyd, Esq.....	5	0 9	100	..	44·98	219	169
d Neath (Glynfelin)	T. Gibbins, Esq.....	5	1 4	180	..	50·19	..	172
D Rhondda W.W.(Llyn Fawr Res.) *old g*	J. B. Hughes, Esq.....	5	1 0	1220	88·6	88·77	237	196
D Rhondda W.W.(Llyn Fawr Res.) *new g*	J. B. Hughes, Esq.....	5	1 0	1220	..	90·29	237	198
Pontardawe (Plas Cilybebyll)	J. H. P. Lloyd, Esq.....	5	1 3	500	..	57·23	..	..
5.—OGMORE & C. 350 sq. mi.								
D Barry (Porth-y-Castell)	E. Sawyer, Esq.....	5	1 0	150	..	43·51	210	156
Barry W.W. (Merthyr Dyfan R.)	T. E. Franklin, Esq., C.E...	5	1 0	300	37·6	41·29	..	..
D Lower Penarth	The Surveyor.....	5	1 0	66	34·9	34·24	178	142
D Penarth Cemetery	The Surveyor.....	5	1 4	99	..	38·55	178	141
D Penarth (Council Offices)	The Surveyor.....	5	5 0	160	37·1	37·34	182	149
D Dunraven Castle	Dunraven Estates Co., Ltd...	5	1 0	71	..	39·82	192	160
D Cardiff (Cogan Pumping Statn.)	N. J. Peters, Esq., C.E.....	5	1 0	121	37·7	43·18	183	150
D Cardiff (Ely Pumping Station)	N. J. Peters, Esq., C.E.....	5	1 0	53	42·1	39·85	241	159
d Fairwater (Glan Ely Hosp.)	Medical Superintendent....	5	1 0	122	..	42·99	..	151
Barry W.W.(Pencoedtre Res.)	T. E. Franklin, Esq., C.E...	5	1 0	200	..	42·65	..	..
D Cardiff (St. Fagan's Castle)	Mr. Pearce.....	5	1 0	100	48·5	44·19	191	159
D Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.....	5	1 0	300	..	43·25	208	165
Merthyr Mawr	Col. J. I. D. Nicholl	5	1 6	75	42·9	45·74	..	..
D Bridgend (Eiw Graig)	H. J. Randall, Esq.....	8	1 6	50	..	43·97	208	163
d Bridgend (Waterworks)	Mid-Glamorgan Water Bd...	5	1 0	140	..	41·56	..	163
Pencoed (Senior School)	G. H. Cornish, Esq.	5	1 1	156	..	44·78	..	..
Llanharan (Sew. Works)	E. Whone, Esq.....	5	1 7	150	..	47·22	203	158
D Port Talbot (Twyn-yr-hydd)	E. N. David, Esq.....	5	1 3	180	42·6	44·86	208	161
D Port Talbot (Tanygroes)	G. A. Morgan, Esq.	8	1 0	50	40·3	40·72	216	168
D Maesteg (Salisbury Road)	H. L. Davies, Esq.	5	1 0	650	..	66·48	221	185
D Maesteg (Isolation Hospital)	G. E. Howells, Esq.....	8	1 0	600	..	58·07	203	182
D Pontycymmer	Mid-Glamorgan Water Bd...	8	1 0	560	..	75·14	230	177
d Ogmore Vale	Mid-Glamorgan Water Bd...	8	1 2	580	..	73·05	..	174
6.—TAFF. 157 sq. mi.								
D Llandaff (Pwllmelyn Road)	A. L. Selby, Esq.....	5	0 10	105	42·2	43·61	197	155
D Rhubina Reservoir	N. J. Peters, Esq., C.E.....	5	1 0	336	48·1	51·00	202	165
Pontypridd (Ty-Gwyn Res.)	Pontypridd & Rhondda W. B.	5	1 0	720	..	59·98	..	..
D Pontypridd (Treforest Central Sch.)	The Headmaster	5	1 0	350	..	63·43	197	169
D Pontypridd (Lan Wood R.) *new site*	Pontypridd & Rhondda W. B.	5	1 6	300	..	61·41	212	177
D Pontypridd (Llanfabon)	Pontypridd & Rhondda W. B.	5	1 0	600	..	62·88	214	181
D Ystradyfodwg (Tyntyla Hos.)	Medical Officer of Health...	5	1 0	590	60·1	51·66?	195	162
D Treharris Service Reservoir	A. J. Marshall, Esq., C.E...	5	1 3	765	52·3	59·24	188	165
D Mountain Ash (Darranlas Res.)	W. G. Thomas, Esq., C.E...	5	0 11	540	63·0	65·45	214	178
D Mountain Ash (Maesydderwen)	W. N. Morgan, Esq.....	5	1 0	483	56·6	61·87	214	168
D Treherbert (Tyn-y-waun) *old g*	Elwyn Jones, Esq.....	5	1 0	801	87·0	88·40	239	193
D‖ Treherbert (Tyn-y-waun) *new g*	Elwyn Jones, Esq.....	5	1 0	801	..	88·24	239	193
D Rhondda (Castell Nos Res.)	Pontypridd & Rhondda W. B.	5	1 6	1060	..	86·14	229	197
D Rhondda (Lluest Wen Filter)	Pontypridd & Rhondda W. B.	5	1 6	1200	..	81·01	228	192
D Rhondda (Lluest Wen Res.)	Pontypridd & Rhondda W. B.	5	1 6	1280	89·0	80·92	228	197
D Merthyr Tydfil (Penybryn Filters)	A. J. Marshall, Esq., C.E...	5	1 3	937	54·0	62·43	245	203
D Merthyr Tydfil (Hanover St.)	O. Griffiths, Esq.*.....	5	1 0	600	..	61·03	204	177
D Dowlais (Gwernllwyn)	W. Roberts, Esq.	5	1 6	1071	51·4	49·53	197	159
D Dowlais (Garth Filter Beds)	A. C. Quiningborough, Esq..	5	1 0	1245	..	62·55	237	191

‖ Turf wall round gauge. * *Per* Meteorological Society.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
GLAMORGAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
7.—RHYMNEY. 55 sq. mi.								
D Cardiff (Roath Park)	A. A. Pettigrew, Esq.	5	1 0	51	41·6	43·85	197	157
D CARDIFF (Penylan)	(+A) Medical Officer of Health	5	1 0	202	41·4	42·98	184	151
D Cardiff (Heath Filters)	N. J. Peters, Esq., C.E.	5	1 0	132	41·3	44·71	201	157
D Llanishen Reservoir	N. J. Peters, Esq., C.E.	5	1 0	155	39·4	42·15	194	152
D Lisvane Reservoir	N. J. Peters, Esq., C.E.	5	1 0	150	37·4	40·53	194	154
D Rhymney Bridge Reservoir	E. Watkin Edwards, Esq., C.E.	8	0 6	1150	56·8	66·14	240	205
CARMARTHEN. (Area, 918 sq. mi.)								
1.—TEIFI. 87 sq. mi.								
2.—TOWY & C. 715 sq. mi.								
D Kidwelly	J. H. Montgomery, Esq.	5	1 6	60	..	45·07	214	169
D Carmarthen (Model & Prac. Sch.)	C. W. Wilford, Esq.	5	1 5	65	50·0	54·95	225	179
D Llandilo (Dynevor Castle)	Lord Dynevor	8	1 6	202	53·2	50·04	228	190
w Llyn-y-fan Fach (Waen Sychlwch)	Llanelly R.D.C.	5	1 0	1647	83·2	99·64	..	..
D Llyn-y-fan Fach (Nant Coch)	Llanelly R.D.C.	5	1 0	1172	74·5	78·69	215	201
w Llyn-y-fan Fach (Bua'r Llyn)	Llanelly R.D.C.	5	1 0	1650	..	98·76	..	..
D Llyn-y-fan Fach (Troed-y-Foel)	Llanelly R.D.C.	5	1 0	867	..	63·42	213	192
D Llanddeusant (Pontcrynfe)	J. Thomas, Esq.	5	1 0	323	55·6	56·82	227	174
D Brechfa	Capt. C. Joynson	5	1 0	290	..	63·70	238	187
D Abergorlech	S. L. Davies, Esq.	5	1 0	245	..	59·48	218	188
D Llandovery (Nantyrhogfaen)	D. T. M. Jones, Esq.	5	1 0	249	50·8	48·81	218	171
3.—LOUGHOR & C. 104 sq. mi.								
D Llanelly (Old Market Yard)	J. H. Montgomery, Esq.	5	12 0	35	44·6	44·73	200	162
D Llanelly (Filter Beds)	J. H. Montgomery, Esq.	5	1 0	237	45·1	50·07	219	183
D Llanelly (Cwmlliedi W.W.)	J. H. Montgomery, Esq.	5	1 1	240	..	50·57	226	183
D Llanelly (Upper Lliedi Res.)	J. H. Montgomery, Esq.	5	0 11	290	..	53·41	223	188
w Llannon Reservoir	Llanelly R.D.C.	5	1 0	860	..	52·62	..	..
4.—TAWE. 7 sq. mi.								
5. USK. 5 sq. mi.								
6.—WYE.								
PEMBROKE. (Area, 617 sq. mi.)								
1.—TEIFI. 37 sq. mi.								
2.—NEVERN & C. 91 sq. mi.								
3.—WEST COAST STREAMS. 82 sq. mi.								
4.—CLEDDAU & C. 407 sq. mi.								
d Pembroke (Stackpole Court)	Mr. F. G. Garlick	6	1 6	60	39·3	42·29	..	159
D TENBY (The Priory)	The Town Clerk	8	1 0	64	40·9	41·60	208	154
D ST. ANN'S HEAD (C. Guard Stn.)	Station Officer (M.O.)	8	1 0	142	35·3	35·07	215	146
D Saundersfoot (Hean Castle)	Lord Merthyr	5	1 0	206	36·3	41·77	204	163
D Saundersfoot (Stepaside, Merryvale)	J. C. Pickering, Esq.	5	1 0	105	..	43·22	215	174
D Narberth (Cwmderwen)	Mrs. Allen	5	1 0	300	..	52·41	227	191
D Haverfordwest (Picton Castle)	Sir C. E. G. Philipps, Bt.	5	0 10	138	46·8	50·63	215	172
D Haverfordwest (Cresborough)	H. L. Puxley, Esq.	5	1 0	50	..	47·32	215	176
D Narbeth (Bloomfield)	Miss L. Lewis Lloyd	.	..	275	50·83	50·83	231	182

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

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CARDIGAN. (Area, 688 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—DOVEY. 20 sq. mi.								
D Glandyfi (Ynyshir Hall)	W. H. Mappin, Esq.	5	1 0	45	..	46·10	210	170
2.—YSTWYTH & C. 347 sq. mi.								
D Aberayron (CILIAU AERON)	G. C. Faber, Esq.	5	1 0	252	..	46·42	217	164
Llanafan (Blaenddol)	R. Roberts, Esq. for M.O.	. .	..	..	..	52·40	..	..
d Llanafan (Crosswood Park)	The Earl of Lisburne	5	1 0	210	..	40·56	..	148
D Yspytty-ystwyth (Hafod)	T. J. Waddingham, Esq.	5	1 3	580	56·4	55·13	230	200
d Ponterwyd (The Mill)	J. H. Edwards, Esq.	5	1 0	74	..	62·72	242	229
D ABERYSTWYTH (Corporation Yard)	The Town Clerk	8	1 0	12	..	36·75	213	151
D Aberystwyth (North Parade)	Dr. A. Thomas	8	2 6	16	..	38·79	225	156
D ABERYSTWYTH (P.B.S.)	Prof. R. G. Stapledon, M.A.	5	1 0	452	..	44·22	236	162
D TALYBONT (LLETTY-EVAN-HEN)	Prof. R. G. Stapledon, M.A.	5	1 0	950	..	40·89	204	168
3.—TEIFI. 260 sq. mi.								
D Llechryd (Castle Malgwyn)	Mrs. Gower	5	1 0	50	..	37·59	174	146
D Cardigan (Plas Llangoedmore)	D. Berrington Davies, Esq.	5	1 0	120	..	39·97	193	147
d Cardigan (County School)	The Headmaster	5	1 6	72	..	(39·98)	..	..
D Lampeter (Falcondale)	Sir A. Harford, Bt.	5	1 0	498	..	53·08	220	182
4.—TOWY. 46 sq. mi.								
d Abergwesyn (Nantneuadd)	Mr. A. Haines for M.O.	5	1 0	1000	..	64·35	..	175
M Tregaron (Maes-y-bettws)	T. Jones, Esq., for M.O.	5	1 0	910	..	(61·00)	..	..
5.—WYE. 15 sq. mi.								
M Birmingham W.W. (Llyn Gynon)	J. W. Wilkinson, Esq., C.E.	5	1 0	1500	70·7	69·95	..	..
M Birmingham W.W. (Bwlchyrhendre)	J. W. Wilkinson, Esq., C.E.	5	1 0	1585	66·7	(71·20)	..	..
M Birmingham W.W. (Claerddu)	J. W. Wilkinson, Esq., C.E.	5	1 0	1470	76·7	72·00	..	..
M Birmingham W.W. (Gwngu)	J. W. Wilkinson, Esq., C.E.	5	1 0	1490	68·0	68·05	..	..
d Birmingham W.W. (Abergwngu)	J. W. Wilkinson, Esq., C.E.	5	1 0	1150	66·0	69·75	..	205
M Plynlimon	J. Thomas, Esq., for M.O.	5	1 0	1630	108·0	108·50	..	..
BRECON. (Area, 733 sq. mi.)								
1.—TOWY. 17 sq. mi.								
2.—TAWE. 41 sq. mi.								
D Ystradgynlais (Yniscedwyn Ho.)	G. Coleman, Esq.	5	0 9	232	65·2	54·45	221	184
D Swansea W.W. (Nantyrwydd)	J. Hassall, Esq., C.E.	5	0 10	908	..	70·40	252	201
3.—NEATH. 48 sq. mi.								
D Ystradfellte Reservoir	The Engineer	5	1 0	1147	85·4	75·04	220	185
4.—TAFF. 48 sq. mi.								
D Aberdare (Nanthir Reservoir)	I. A. Bryant, Esq., C.E.	5	1 0	860	59·6	64·75	239	190
D Taf Fechan (Pontsticill) No. 12	A. C. Quiningborough, Esq.	5	1 0	1031	..	62·29	238	193
M Taf Fechan (Pontsticill West) 14	A. C. Quiningborough, Esq.	5	1 0	1254	..	55·25	..	..
D Cardiff W.W. (Llwynon Res.)	N. J. Peters, Esq., C.E.	5	1 0	860	62·7	67·18	246	191
w Cardiff W. W. (Nant Ffynnon)	N. J. Peters, Esq., C.E.	5	1 0	1352	..	74·48	..	..
M Cardiff W.W. (Garn Ddu)	N. J. Peters, Esq., C.E.	5	1 0	1340	..	73·07	..	..
D Cardiff W.W. (Garw-nant)	N. J. Peters, Esq., C.E.	5	1 0	1100	..	76·80	236	196
w Cardiff W.W. (Nant-Gwineu)	N. J. Peters, Esq., C.E.	5	1 0	1200	..	68·93	..	..
w Cardiff W.W. (Cefn Gougarn)	N. J. Peters, Esq., C.E.	5	1 0	1362	..	77·86	..	..
w Cardiff W.W. (Llysiog)	N. J. Peters, Esq., C.E.	5	1 0	1080	..	70·54	..	..
D Taf Fechan (Pentwyn Res. S.)	A. C. Quiningborough, Esq.	5	1 0	1120	..	70·77	242	196
Taf Fechan (Pentwyn Res. N.)	A. C. Quiningborough, Esq.	5	1 0	1090	..	68·90	..	..
w Cardiff W.W. (Twyn Gareg)	N. J. Peters, Esq., C.E.	5	1 0	1501	..	82·62	..	..
M Cardiff W.W. (Blaen Nant Ddu)	N. J. Peters, Esq., C.E.	5	1 0	1550	..	72·94	..	..
D Cardiff W.W. (CANTREF R.) No. 2	N. J. Peters, Esq., C.E.	5	1 0	1080	69·8	69·32	236	202

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	BRECON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—TAFF—(*con.*).								
D	Cardiff W.W.(Beacons Res.) No. 6	N. J. Peters, Esq., C.E.	5	1 0	1340	79·3	78·55	244	208
W	Cardiff W.W. (Nant Penig) No. 3	N. J. Peters, Esq., C.E.	5	1 0	2000	85·8	91·13	..	..
M	Cardiff W.W. (Blaen Nant Crew)	N. J. Peters, Esq., C.E.	5	1 0	2090	..	70·12	..	..
D	Cardiff W.W. (Storey Arms Field)	N. J. Peters, Esq., C.E.	5	1 0	1430	..	87·36	243	211
W	Cardiff W.W.(Blaen Taf Fawr)	N. J. Peters, Esq., C.E.	5	1 0	1430	86·8	85·68	..	..
D	Taf Fechan (Neuadd Rs.) No. 1A	A. C. Quiningborough, Esq.	5	1 0	1423	..	81·78	253	211
D	Taf Fechan (Neuadd Rs.) No. 4	A. C. Quiningborough, Esq.	5	1 0	1487	*82·7*	82·24	253	212
D	Taf Fechan (Neuadd Rs.) No. 11	A. C. Quiningborough, Esq.	5	1 0	1524	68·3	77·02	253	206
D	Taf Fechan (Neuadd Rs.) No. 11A	A. C. Quiningborough, Esq.	5	1 0	1520	..	84·95	253	216
M	Taf Fechan (Neuadd Rs.) No. 2	A. C. Quiningborough, Esq.	5	1 0	1993	*72·7*	73·15	..	..
M	Taf Fechan (Neuadd Rs.) No. 10	A. C. Quiningborough, Esq.	5	1 0	1700	72·7	75·65	..	..
M	Taf Fechan (Neuadd Rs.) No. 3	A. C. Quiningborough, Esq.	5	1 0	1843	60·6	73·85	..	..
M	Taf Fechan (Neuadd Rs.) No. 7	A. C. Quiningborough, Esq.	5	1 0	2017	*81·1*	92·55	..	..
M	Taf Fechan (Neuadd Rs.) No. 8	A. C. Quiningborough, Esq.	5	1 0	1723	*85·7*	87·55	..	..
M	Taf Fechan (Neuadd Rs.) No. 8A	A. C. Quiningborough, Esq.	5	1 0	1780	..	74·50	..	..
M	Taf Fechan (Neuadd Rs.) No. 6	A. C. Quiningborough, Esq.	5	1 0	2099	*92·4*	93·55	..	..
	5.—RHYMNEY. 2 sq. mi.								
	6.—EBBW. 7 sq. mi.								
D	Ebbw Vale W.W. (Llangynidr) 1	P. I. Davies, Esq., C.E.	5	1 0	1413	58·8	77·57	214	200
D	Ebbw V. W.W.(Llangynidr) W 3	P. I. Davies, Esq., C.E.	5	1 0	1468	..	77·42	214	200
D	Ebbw V. W.W. (Llang'ndr) NW2	P. I. Davies, Esq., C.E.	5	1 0	1471	..	77·76	214	200
D	Ebbw Vale W.W. (Carno, S.)	P. I. Davies, Esq., C.E.	5	1 6	1262	..	77·22	215	199
D	Ebbw Vale W.W. (Carno, E.)	P. I. Davies, Esq., C.E.	5	1 0	1391	..	76·68	214	200
D	Ebbw Vale W.W. (Carno, W.)	P. I. Davies, Esq., C.E.	5	1 0	1412	..	78·83	214	200
D	Ebbw Vale W.W. (Carno, N.)	P. I. Davies, Esq., C.E.	5	1 0	1491	..	76·91	214	200
	7.—USK. 299 sq. mi.								
D	Abergavenny (Gilwern)	Mrs. J. John	5	1 0	590	..	57·26	200	167
	Torpantau (Darenfawr)	Newport Corporation	5	1 0	1172	..	72·52	..	..
	Torpantau (Ynysposte)	Newport Corporation	5	1 0	741	..	68·88	..	..
	Torpantau (Blaen-caer-fanell)	Newport Corporation	5	1 0	1584	..	70·66	..	..
D	Talybont (Ffynonwen)	Newport Corporation	5	1 0	610	..	63·05	214	173
	Talybont (Pwll Ifor)	Newport Corporation	5	1 0	1224	..	68·34	..	..
D	Talybont (Aberclydach)	G. Garnons Williams, Esq.	8	0 9	520	..	51·90	198	148
D	Crickhowell (Gwernvale)	E. Pirie-Gordon, Esq.	5	1 0	393	*41·5*	46·45	212	175
D	Crickhowell (Glanusk Park)	Lord Glanusk	5	1 0	290	..	49·54	208	163
D	Crickhowell (Penmyarth)	Lord Glanusk	5	1 0	370	..	48·37	220	166
M	Swansea W.W. (Cray Rs.) No. 2	J. Hassall, Esq., C.E.	5	1 0	1019	..	79·01	..	..
D	Swansea W.W.(Cray Rs.) No.1 (+A)	J. Hassall, Esq., C.E.	5	1 0	1043	..	65·96	240	192
M	Cray Post Office	J. A. Jones, Esq., for M.O.	5	1 0	930	..	79·75	..	..
D	Talybont (Ashford)	J. Henderson, Esq.	5	1 0	360	..	51·79	202	158
D	Llanfrynach (Ty-mawr)	Miss M. D. de Winton	5	1 0	450	..	50·04	203	167
D	Crickhowell (Dan-y-Parc)	R. G. C. C. Sandeman, Esq.	8	1 0	230	..	46·84	209	142
M	Crickhowell (Cwmdu Rectory)	Rev. W. A. Davies	5	1 0	430	..	42·49	..	..
M	Crickhowell (Tal-y-maes)	Mrs. E. Jones, for M.O.	5	1 0	1250	..	47·70	..	..
d	Trecastle (Blaenau-hydfer)	Mrs. Morgan, for M.O.	5	1 0	970	..	68·56	..	..
D	Brecon (Tairbull School)	I. L. Price, Esq.	5	1 0	660	52·0	55·60	207	176
D	Brecon (Ffrwdgrech)	Capt. J. D. D. Evans	8	1 1	570	..	51·10	204	165
d	Brecon (Mount St. Sch. Gdns.)	The Headmaster	5	0 11	500	..	48·04	..	..
D	Battle (Penoyre)	G. E. Weekes, Esq.	5	1 0	830	..	46·48	238	178
D	Black Mountains (Blaen-y-cwm)	W. Cory Goddard, Esq., C.E.	5	1 0	1423	..	59·12	208	184
D	Black M. (Dam Site Grwyne Fawr)	W. Cory Goddard, Esq., C.E.	5	1 0	1620	..	61·09	208	187
M	Upper Chapel (Tymawr)	Mrs. Probert	5	1 0	945	46·9	47·59	..	..

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in or more.
BRECON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
8.—WYE. 271 sq. mi.								
D Cathedine Rectory	Rev. D. H. Picton, for M.O..	5	1 6	650	..	35·53	183	143
D Talgarth (Arfryn)	F. T. Morgan, Esq.	5	1 0	450	*33·2*	36·90	185	147
D Talgarth (Pontiwal Sanatorium)	Dr. H. E. Watson	5	0 10	500	..	35·78	231	158
D Glasbury (Gwernyfed Park)	H. H. Miller, Esq.	5	1 0	350	31·5	34·87	195	138
M Abergwesyn (Trallwn)	J. Felix, Esq., for M.O.	5	1 0	1000	..	77·10	..	..
Llanafanfawr School	W. D. Swan, Esq.	5	0 8	800	..	50·68	..	..
M Newbridge (Pengraig)	Miss A. Williams, for M.O...	5	1 0	960	56·8	60·40	..	..
D Newbridge (Llysdinam)	Sir C. Venables Llewelyn, Bt.	5	1 3	646	41·2	45·31	224	180
M Birmingham W.W. (Cors-yr-hwch)	J. W. Wilkinson, Esq., C.E..	5	1 0	1775	91·7	93·80	..	..
M Birmingham W.W. (Esgair Ceiliog)	J. W. Wilkinson, Esq., C.E..	5	1 0	1560	82·3	85·35	..	..
M Birmingham W.W. (Llyn-Carw)	J. W. Wilkinson, Esq., C.E..	5	1 0	1775	82·9	86·95	..	..
M Birmingham W.W. (Nant-y-car)	J. W. Wilkinson, Esq., C.E..	5	1 0	1545	79·0	80·50	..	..
M Birmingham W.W. (Arban)	J. W. Wilkinson, Esq., C.E..	5	1 0	1500	78·8	77·90	..	..
M Birmingham W.W. (Tyn-y-pant)	J. W. Wilkinson, Esq., C.E..	5	1 0	1320	62·7	67·90	..	..
M Birmingham W.W. (Esgair Garthen)	J. W. Wilkinson, Esq., C.E..	5	1 0	1590	80·9	86·00	..	..
D Birmingham W.W. (Elan Village)	J. W. Wilkinson, Esq., C.E..	5	1 0	700	56·9	59·88	236	184
RADNOR. (Area, 474 sq. mi.)								
1.—WYE. 424 sq. mi.								
D Glasbury-on-Wye (Hampton Sc.)	D. W. Lloyd, Esq.	5	1 0	274	33·9	33·40	188	133
D Llyswen (Llanstephan Ho. Gdns.)	Lady Philips	5	1 3	440	..	45·80	195	167
D Builth (Cefndyrys)	Capt. E. A. Thomas.	5	1 6	740	41·5	40·29	205	161
d New Radnor (Harpton Crt. Gdns.)	The Head Gardener	5	0 9	700	..	44·64	..	161
New Radnor (Maes-y-Fed)	Mrs. C. F. Langston.	5	1 0	750	44·1	46·37	..	..
D Llandrindod Wells (Howey)	H. Wheeler, Esq.	5	1 0	700	39·3	48·74	241	180
D Llandrindod Wells (The Common)	Clerk to the U.D.C.	5	1 0	772	..	39·30	204	160
D Birmingham W.W. (Tyrmynydd)	J. W. Wilkinson, Esq., C.E..	5	1 0	832	62·1	66·15	241	190
D Birmingham W.W. (Nantgwillt)	J. W. Wilkinson, Esq., C.E..	5	1 0	840	63·2	66·18	244	195
M Birmingham W.W. (Dwfnant)	J. W. Wilkinson, Esq., C.E..	5	1 0	1050	67·8	71·50	..	..
M Birmingham W.W. (Esgair Gader) 2	J. W. Wilkinson, Esq., C.E..	5	1 0	1500	70·1	75·00	..	..
M Birmingham W.W. (Tynllidiart)	J. W. Wilkinson, Esq., C.E..	5	1 0	1006	67·5	69·75	..	..
d Birmingham W.W. (Claerwen)	J. W. Wilkinson, Esq., C.E..	5	1 0	1250	66·7	72·70	..	185
D Birmingham W.W. (Tynant)	J. W. Wilkinson, Esq., C.E..	5	1 0	1020	68·8	70·96	239	196
D Rhayader (Penralley)	R. Ashton, Esq., for M.O....	5	1 0	757	50·6	49·96	230	170
Rhayader (East Street)	R. Ashton, Esq.	5	1 0	700	49·2	52·40	..	..
M Birmingham W.W. (Ceriglwydion)	J. W. Wilkinson, Esq., C.E..	5	1 0	1710	74·5	78·30	..	..
M§Birmingham W.W. (Pen-y-gareg)	J. W. Wilkinson, Esq., C.E..	5	1 0	1500	..	58·45	..	..
M§Birmingham W.W. (Pen-y-gareg) 2	J. W. Wilkinson, Esq., C.E..	5	1 0	1540	..	60·49	..	..
M Birmingham W.W. (Bryn Hir)	J. W. Wilkinson, Esq., C.E..	5	1 0	1470	78·9	79·95	..	..
M Birmingham W.W. (Abercaethon)	J. W. Wilkinson, Esq., C.E..	5	1 0	1240	70·8	73·40	..	..
M Birmingham W.W. (Calettwr)	J. W. Wilkinson, Esq., C.E..	5	1 0	1490	81·7	77·80	..	..
M Birmingham W.W. (Figin) No. 2.	J. W. Wilkinson, Esq., C.E..	5	1 0	1700	85·2	85·60	..	..
M Birmingham W.W. (Aberhenllan)	J. W. Wilkinson, Esq., C.E..	5	1 0	1070	68·9	71·85	..	..
M Llanbister (Llananno)	Mrs. A. Jones, for M.O....	5	1 0	900	45·1	51·50	..	..
2.—SEVERN—Right Bank Tributaries. 50 sq. mi.								
d Bucknell (Stanage Park)	C. H. Walker, Esq.	5	1 0	650	..	40·01	..	.
MONTGOMERY. (Area, 797 sq. mi.)								
1.—DOVEY. 120 sq. mi.								
D Machynlleth (Plas Llwyn Gwern)	The Hon. R. E. B. Beaumont	5	0 9	150	..	74·55	229	192
2.—YSTWYTH. 7 sq. mi.								
3.—WYE. 87 sq. mi.								
Llangurig (Dernol)	E. A. Powell, Esq. for M.O.	5	1 0	870	61·5	58·82	..	..
4.—SEVERN—Right Bank Tributaries. 154 sq. mi.								
D Llanidloes (Llidiartywaen Sch.)	G. E. Edwards, Esq.	5	1 3	1150	..	42·93	225	167
D Newtown (Penarth Weir)	Canal Engr., L M & S Rly...	8	1 0	321	35·0	43·33	236	158
D Montgomery (The Gaol)†	Dr. R. E. Game Phillips....	5	1 0	450	..	35·28	222	151

† Station formerly called Montgomery (Oakfield). § Exposure unorthodox.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
MONTGOMERY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5. SEVERN—Left Bank Tributaries. 479 sq. mi.								
D Berriew (Brithdir Hall)	Mrs. F. E. Marston	5	1 0	350	30·7	35·51	220	142
D Berriew (Glyncogen)	H. H. Haines, Esq.	5	1 0	415	..	38·12	200	147
D Welshpool (County School)	The Headmaster	5	1 0	254	30·1	31·08	193	140
D Welshpool (Fron Llwyd)	Col. G. B. D. Harrison	5	1 3	500	33·7	35·62	213	161
Garthbibio (Bwlch Tomlyd)	J. R. Jones, Esq., for M.O.	5	1 0	1200	71·0	77·50	..	..
D Llanfyllin (Llwyn)	Major W. M. Dugdale	5	0 10	450	..	40·55	187	148
D Llandysilio Rectory	Rev. H. G. Dickinson	5	1 0	250	..	29·26	194	142
D Lake Vyrnwy	J. E. Bradley, Esq.	5	0 7	770	54·0	67·17	221	195
Lake Vyrnwy (Bryn Gwyn)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1311	..	63·12	..	..
D Lake Vyrnwy (Bank Cynon Isaf))	Lt.-Col. F. Hibbert, C.E.	8	1 0	750	55·3	60·41	212	171
Lake Vyrnwy (Ty Uchaf)	Lt.-Col. F. Hibbert, C.E.	8	1 0	860	..	61·63	..	..
Lake Vyrnwy (Heol-y-ffridd) No.1.	Lt.-Col. F. Hibbert, C.E.	8	1 0	913	..	75·39	..	..
Lake Vyrnwy (Heol-y-ffridd) No.2.	Lt.-Col. F. Hibbert, C.E.	8	1 0	830	..	70·16	..	..
Lake Vyrnwy (Tyn-y-ffridd)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1010	..	63·66	..	..
Lake Vyrnwy (Lluestwen)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1667	..	74·47	..	..
Lake Vyrnwy (Llwynrhiw)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1428	..	80·40	..	..
Lake Vyrnwy (Craig-y-Gribin)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1422	..	70·29	..	..
Lake Vyrnwy (Eunant Bridge)	Lt.-Col. F. Hibbert, C.E.	8	1 0	830	..	75·26	..	..
Lake Vyrnwy (Eunant Bridge) *new g*	Lt.-Col. F. Hibbert, C.E.	5	1 0	830	..	76·47	..	..
Lake Vyrnwy (Carreg Goch)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1750	..	72·44	..	..
Lake Vyrnwy (Fawnog)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1315	55·7	64·98	..	..
FLINT. (Area, 256 sq. mi.)								
1.—DEE. 198 sq. mi.								
D Hanmer (Gredington)	Lady Kenyon	5	1 0	300	30·4	30·25	162	147
D Overton (Fairleigh)	Dr. B. J. E. Wright	5	1 0	220	26·8	32·48	227	154
D Mold (Padeswood Hall)	The Resident Superintendent	5	1 0	350	..	37·28	211	170
W Buckley (Hawarden W.W.)	A. N. Peters, Esq., C.E.	5	1 0	540	28·7	32·93	..	..
D Hawarden (County School)	C. F. Williams, Esq.	5	0 9	257	27·2	32·71	183	135
D Mold (Alun County School)	The Headmaster	5	1 0	365	..	38·05	201	157
D Mold (Mount Pleasant)	R. F. Baker, Esq., C.E.	5	1 0	503	..	35·51	188	148
D Cilcain (No. 2 Reservoir)	A. N. Peters, Esq., C.E.	5	1 0	785	..	39·99	209	168
W Cilcain (No. 4 Reservoir)	A. N. Peters, Esq., C.E.	5	1 0	900	..	40·16	..	..
D Northop (Soughton Hall)	Sir John Bankes	5	1 0	418	32·1	35·23	199	172
Cilcain (Cilcen Hall)	W. B. Yates, Esq., D.L., C.B.E.	5	1 0	700	29·7	36·03	229	..
D Connah's Quay (Mold Road)	R. F. Baker, Esq., C.E.	5	1 0	43	..	31·76	185	142
D Connah's Quay (Pengwladys)	R. F. Baker, Esq., C.E.	5	1 0	231	..	31·03	184	136
D Hawarden Bridge	Messrs. J. Summers & Sons.	8	1 0	17	24·3	29·72	177	133
D Sealand (Aerodrome) (+A)	Meteorological Officer	8	1 0	16	26·0	30·68	187	138
D Halkyn (Bryn Aurl)	Capt. J. L. Francis	5	1 0	880	..	36·52	181	148
D Mostyn	Darwen & Mostyn Iron Co., Ltd.	5	3 2	15	..	32·54	186	137
2.—CLWYD. 51 sq. mi.								
D Bodfari (Nantlys)	D. F. Pennant, Esq., D.L.	5	1 5	178	27·4	36·15	192	164
D St. Asaph (St. Beuno's Coll.)	The Procurator	5	1 0	450	..	38·99	253	171
Dyserth Castle	J. B. Price, Esq.	5	1 0	350	..	29·92	..	..
D Rhyl (Sewage Works) (+A)	Medical Officer of Health	8	1 0	31	25·8	30·42	190	138
D Prestatyn	Clerk to the U.D.C.	5	1 0	18	..	29·62	181	127
3.—SEVERN—Left Bank Tributaries. 7 sq. mi.								
DENBIGH. (Area, 668 sq. mi.)								
1.—DEE. 278 sq. mi.								
Glynceiriog (Plas Nantyr)	C. B. C. Storey, Esq.	6	1 0	1450	..	55·82	..	..
D Chirk Castle Gardens	Lord Howard de Walden	5	1 0	630	..	36·20	172	141
D Llangollen (Oakleigh)	Miss J. B. Jagger	5	1 0	337	..	41·85	206	157
D Llangollen (Vivod)	Capt. W. Best	5	1 0	640	..	45·00	195	160
D Ruabon (Trevor Hall)	E. Lloyd Edwards, Esq.	5	1 0	500	30·9	42·78	206	170

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DENBIGH—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—DEE—(*con.*).								
M Wrexham W.W. (Mountain Lo.)	J. A. Davies, Esq.	8	0 9	1100	..	39·56	..	..
d Wrexham W. W. (Ty Mawr Res.)	J. A. Davies, Esq.	5	0 9	805	*39·1*	43·29	(211)	(160)
D Wrexham W.W.(Pack Saddle Res.)	J. A. Davies, Esq.	5	0 9	370	32·0	37·91	217	154
d Wrexham W.W. (Cae Llwyd Res.).	J. A. Davies, Esq.	8	0 9	918	*41·1*	44·75	(222)	(162)
d Wrexham W.W. (Cae Llwyd Res.).	J. A. Davies, Esq.	5	0 9	918	*40·5*	43·98	(212)	(165)
M Wrexham W.W. (Erwau)	J. A. Davies, Esq.	5	0 9	1200	..	41·35	..	..
M Wrexham W.W. (Minera)	J. A. Davies, Esq.	5	0 9	1400		39·32	..	..
d Wrexham (Beechley Road)	O. L. Jones, Esq.	2	1 0	285	..	30·44	..	134
D Pendinas Reservoir	Brymbo Water Co.	5	0 6	1249	..	43·37	195	174
D Nantyffrith Reservoir	Brymbo Water Co.	5	0 6	1040	..	38·71	195	166
D Llanfihangel-glyn-myfyr	R. F. Baker, Esq., C.E.	5	1 0	898	..	50·24	232	177
D R. Alwen (Alwen Filter House)	R. F. Baker, Esq., C.E.	5	1 0	1100	..	57·03	229	189
D R. Alwen (Alwen Dam)	R. F. Baker, Esq., C.E.	5	1 0	1189	..	59·01	229	196
D R. Alwen (Hafod-llan-isaf) No. 2.	R. F. Baker, Esq., C.E.	5	1 0	1172	39·2	51·18	229	182
D R. Alwen (Hafod-llan-isaf) No. 3.	R. F. Baker, Esq., C.E.	5	1 0	1169	36·8	55·53	229	194
W Pentre Voelas (Nant Heilyn)	R. F. Baker, Esq., C.E.	5	1 0	1225	..	59·95	..	..
D R. Brenig (Hafod-yr-Onen)	R. F. Baker, Esq., C.E.	5	1 0	1175	..	50·38	219	178
M Nantglyn (Pant-y-maen)	R. F. Baker, Esq., C.E.	8	1 0	1320	..	59·87	..	..
M Llyn Bran	R. F. Baker, Esq., C.E.	8	1 0	1428	..	61·61	..	..
Llanferres (Glan-yr-Afon)	Miss A. Simpson	5	1 3	650	..	41·43	..	..
2.—CLWYD & C. 267 sq. mi.								
M Derwen (Ty Cerrig)	Edgar Billson, Esq.	5	1 0	1030	..	49·02	..	..
d Pentre Celyn Council School	The Headmaster	5	1 3	400	30·1	37·29	..	..
D Clawdd-newydd No. 2	R. F. Baker, Esq., C.E.	5	1 0	983	..	43·33	186	165
D Clawdd Newydd (Foel Fach)	Forestry Commission	.	..	1150	..	47·61	190	164
W Ruthin (Corwen Road)	R. F. Baker, Esq., C.E.	5	1 0	234	..	36·06	..	..
d Ruthin (Bwlch Tunnel)	R. F. Baker, Esq., C.E.	5	1 0	908	..	39·83	..	165
D Llyn Aled (Moel-y-Bryniau)	O. P. Cronshaw, Esq.	5	1 0	1250	..	58·20	242	197
D Llyn Aled (Rhyd-y-Bedd)	O. P. Cronshaw, Esq.	5	1 0	1170	..	60·10	247	198
D Llangynhafal (Plâs Drâw)	Major R. Bromhead	5	1 0	419	31·1	40·96	210	175
D Denbigh (Mental Hospital)	W. Barker, Esq.	5	1 0	316	..	37·96	206	166
d Llangwyfan (N. Wales San.)	Medical Superintendent	5	1 0	460	..	36·43	..	..
D Denbigh (Garn)	J. D. W. Griffith, Esq.	5	1 0	447	32·7	40·91	215	180
d Trefnant School	The Head Teacher	5	1 0	300	..	36·10	..	..
M Llanefydd (Dolwen Res., S.)	O. P. Cronshaw, Esq.	5	1 0	600	..	40·18	..	..
M Llanefydd (East)	O. P. Cronshaw, Esq.	5	1 0	570	..	39·86	..	..
D Llanefydd (Plas Uchaf Res.)	O. P. Cronshaw, Esq.	5	1 0	485	..	39·57	226	175
D Llanefydd (Glascoed Res.)	O. P. Cronshaw, Esq.	5	1 0	360	..	34·58	209	151
St. Asaph (Wigfair)	Col. H. C. Ll. Howard, C.M.G., D.S.O.	8	1 0	250	..	31·39	..	..
D Abergele (Sea Road)	Sydney Wilson, Esq.	5	1 0	25	28·4	33·46	197	144
D Colwyn Bay (Eirias Park)	Borough Surveyor	5	1 0	118	31·1	36·06	211	151
3.—CONWAY—4 sq. mi.								
D Pentre Voelas (Voelas Hall)	Mr. T. N. Dickie	5	1 6	640	..	65·88	232	190
D Bettws-y-coed (Talfryn)†	R. J. Evans, Esq.	5	1 0	50	..	55·76	190	173
4.—SEVERN—Left Bank Tributaries. 47 sq. mi.								
D Llansilin (Penygwely Res.)	G. W. Lacey, Esq., C.E.	5	1 0	1095	..	36·03	196	154
MERIONETH. (Area, 661 sq. mi.)								
1.—DEE. 218 sq. mi.								
Afon Twrch (Nant-y-barcut)	R. Jones, Esq.*	5	1 0	1091	..	94·70	..	..
D Llanuwchllyn (Plas-deon)	A. E. Morris, Esq.*	5	1 0	555	..	68·50	218	189
Cwm Hirnant (Maesfallen)	E. O. Roberts, Esq.*	5	1 4	957	..	57·64?	..	..
Afon Lliw (Blaen Lliw Isaf)	J. Pugh, Esq.*	5	1 6	1790	..	92·58	..	..
D Bala (Plas Coch Hotel)	W. Walker, Esq., Jun.	5	1 0	535	..	57·74	231	175
D Bala (Tegid Street)	(+A) D. R. Roberts, Esq.*	5	1 3	537	..	58·45	231	183
D Llandderfel (Palé Gardens)	Sir H. B. Robertson	8	1 0	606	48·2	56·58	208	183

**Per* River Dee Catchment Board. † Station formerly called Bettws-y-coed (Rhydycreua).

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
MERIONETH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—DEE—(*con.*).								
Trawsfynydd (Cwm Prysor)	N. Wales Power Co., Ltd.	5	1 3	1300	..	92·60	..	..
Llyn Arenig Fach	J. Jones, Esq.*	5	1 5	1511	..	89·90	..	..
Corwen (Bryntirion)	Admiral Stapleton-Cotton	5	0 9	450	..	43·05	..	..
Afon Mynach (Hafod Nwydog)	N. D. Tee, Esq.*	5	1 0	1198	..	76·00	..	..
w Derwen (Minffordd)	R. F. Baker, Esq., C.E.	5	1 0	971	..	45·45	..	..
2.—CLWYD. 7 sq. mi.								
3.—GLASLYN. 92 sq. mi.								
Trawsfynydd (Tyn Twll)	N. Wales Power Co., Ltd.	5	1 3	750	..	82·12	..	..
Trawsfynydd (Darn Gae)	N. Wales Power Co., Ltd.	5	1 5	950	..	78·55	..	..
M Llyn Tecwyn Uchaf	Portmadoc Water Co.	8	9 0	420	..	53·01?	..	..
D Minffordd (Plas Penrhyn)	Mrs. H. Kitching	5	1 0	200	..	54·89	224	184
D Pandyrddrwyryd (Main Dam)	N. Wales Power Co., Ltd.	5	1 3	650	..	76·29	218	171
D Minffordd (Hafod-Cae-Maen)	G. H. C. Haigh, Esq.	5	1 0	100	50·5	55·96	239	195
w Tyddym-y-Gareg (Hendre Mur)	N. Wales Power Co., Ltd.	5	1 3	660	..	75·23	..	..
D Tan-y-bwlch (Plas Gardens)	Mr. F. W. Dawe	5	1 0	55	..	69·06	224	188
d Tan-y-bwlch (Dol-y-Moch)	Mrs. Howland Jackson	5	1 0	55	..	(70·25)	(196)	(170)
D Festiniog (Hafod Fawr)	Forestry Commission	8	1 4	1000	74·6	76·27	207	187
D Blaenau Festiniog (Oakeley Q.)	J. Lloyd Humphreys, Esq.	5	1 0	1100	97·1	104·67	210	195
D Blaenau Festiniog (Llechwedd Q.)	Messrs. J. W. Greaves & Sons	5	1 0	700	..	105·47	262	216
4.—MAWDDACH & C. 262 sq. mi.								
D Towyn (Ynys-y-Maengwyn)	R. Corbett, Esq.	5	1 0	14	..	46·29	201	165
D Towyn (Bronffynnon)	Dr. T. Henry Jones	5	1 0	180	..	47·68	216	172
D Towyn (Peniarth)	Mrs. Wynne	8	1 0	25	..	59·77	204	195
Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley	5	1 0	200	..	81·16	..	..
D Dolgelley (Dol'rhyd)	Col. P. H. Enthoven, D.L.	5	1 0	150	..	70·07	242	190
D Dolgelley (Borthwnog)	Col. C. W. H. Crichton	5	1 0	5	..	64·09	223	187
D Dolgelley (Bontddu)	E. P. Beale Esq.	5	0 10	50	58·8	68·44	218	191
d Llanbedr (Llwyn)	A. Towers, Esq.	5	1 6	50	..	47·81	190	171
D Trawsfynydd Camp	O. Eames, Esq.	5	1 0	800	67·0	82·02	214	199
5.—DOVEY. 82 sq. mi.								
D Aberdovey (Plas Penhelig)	J. M. Howell, Esq., D.L.	5	1 0	120	..	43·41	202	170
D Pennal (Llwyn-Celyn)	Lt.-Col. M. V. le P. Trench	5	1 0	30	..	58·18	214	182
D Pennal (Talgarth Hall)	Owen D. Jones, Esq.	5	0 9	125	..	58·47	223	178
w Corris (Pantperthog)	Forestry Commission	5	1 0	200	..	(75·89)	..	..
6.—SEVERN—Left Bank Tributaries.								
CARNARVON. (Area, 572 sq. mi.)								
1.—BARDSEY ISLAND.								
2.—CONWAY & C. 146 sq. mi.								
Lake Cowlyd (Capel Curig)	N. Wales Power Co. Ltd.	5	1 0	1400	..	100·95	..	..
Lake Cowlyd (Llethyr Gwyn) c	C. F. Farrington, Esq., C.E.	5	1 0	1700	..	95·80	..	..
Lake Llwgwy	N. Wales Power Co., Ltd.	5	..	1820	..	107·95	..	..
L. Cowlyd (Ffrith Carreg Wen) A	C. F. Farrington, Esq., C.E.	5	1 0	1168	..	89·62	..	..
Lake Cowlyd (Ffrith Fawr) B	C. F. Farrington, Esq., C.E.	5	1 0	1700	..	80·30	..	..
Lake Cowlyd (Gors-y-Llithrig) D	C. F. Farrington, Esq., C.E.	5	1 0	1900	..	96·30	..	..
d Trefriw (Belle Vue Spa)	C. A. Hoefftcke, Esq.	5	1 0	8	..	57·45	..	..
d Trefriw Wells	C. P. Adamson, Esq.	5	1 0	25	..	61·09	..	..
D Lake Eigiau (Dam Site) (+A)	N. Wales Power Co., Ltd.	5	1 5	1244	*83·9*	89·96	234	196
Llanbedr-y-Cennin (Melynllyn)	W. T. Ward, Esq., C.E.	5	1 0	2065	..	134·76	..	..
Llanbedr-y-Cennin (Llyndulyn) *old g*	W. T. Ward, Esq., C.E.	8	1 6	1632	93·6	113·79	..	..
Llanbedr-y-Cennin (Llyndulyn) *new g*	W. T. Ward, Esq., C.E.	8	1 6	1632	..	122·73	..	..
Llanbedr-y-Cennin (Plasdulyn)	W. T. Ward, Esq., C.E.	8	1 0	509	..	62·72	..	..
D Tyn-y-Groes (Dolcrwm)	R. S. Fisher, Esq.	5	1 0	100	..	51·93	214	169
D Tyn-y-Groes (Roe Wen)	Albert Wilson, Esq.	5	1 0	140	..	50·46	218	175
D Conway (Mussel Tks.)	Ministry of Agric. & Fisheries	5	1 0	50	..	34·76	190	145
Deganwy (Y Berlfa)	Dr. Willoughby Gardner	5	1 0	35	31·2	35·80	..	..
D Llandudno (Cricket Ground)	Medical Officer of Health	5	1 1	22	28·1	32·07	197	137

* *Per* River Dee Catchment Board.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CARNARVON—(*con*).		*ins.*	*ft. ins.*	*ft.*	*ins.*	*in.*		
3.—MENAI STRAITS. 221 sq. mi.								
d Edeyrn Tydweiliog (Cefnamlwch)	The Head Gardener	5	1 0	300	..	48·15	..	177
D Madryn Castle (Farm School)	The Principal	5	1 0	278	39·0	47·42	200	156
Nantlle (Dorothea Quarries)	O. Giller, Esq.	8	60 0	350	..	50·01	..	..
Llandwrog (Glynllivon Park)	Rt. Hon. Lord Newborough	5	1 0	100	44·7	44·71	..	..
D Llandwrog (Glynllivon Nursery)	Rt. Hon. Lord Newborough	5	1 0	90	..	47·60	189	162
D Llandwrog (Glynllivon Garden)	Rt. Hon. Lord Newborough	5	1 0	100	..	48·28	216	171
Llandwrog (Glynllivon Fort)	Rt. Hon. Lord Newborough	5	1 0	180	..	52·69	208	185
D Waenfawr Council School	D. R. Jones, Esq.	5	1 0	520	..	53·96	202	168
Carnarvon (Belan Fort)	Col. R. Vaughan Wynn	5	1 0	10	33·9	37·11	..	..
D Llanbeblig (Cefn Rhos)	Miss M. F. Preece	8	1 0	..	..	46·51	207	175
D Bethesda (Penrhyn Quarries)	A. H. Richards, Esq.	8	1 0	527	*65·8*	63·67	242	201
d Bangor (Town Hall)	Water Engineer & Surveyor.	8	1 6	50	..	38·71	..	164
D Bangor (Penrhyn Castle Gdns.)	Mr. J. Kneller	5	1 0	150	..	41·04	214	169
D ABER (University Coll. Farm)	Prof. R. G. White	5	0 6	60	..	46·03	213	169
D Llanfairfechan (Cae Cawr)	W. Timmins, Esq.	5	1 0	400	..	42·40	200	169
D Llanfairfechan (School House)	The Surveyor, U.D.C.	5	1 0	120	37·9	46·31	211	168
D Penmaenmawr (Plas Uchaf)	R. W. Barnes, Esq.	5	1 2	470	..	48·66	193	167
4.—ERCH & C. 155 sq. mi.								
D Abersoch (Craig-y-Mor)	Lady Winterbotham	8	1 0	55	..	44·99	203	165
D Pwllheli (West End)	B. V. Howell, Esq.	8	1 0	9	..	45·44	223	178
w Pwllheli (Bodfean Hall)	Col. R. Vaughan Wynn	5	1 3	155	43·7	50·65	..	..
D Pwllheli (Bodfean Hall Gdns.)	Col. R. Vaughan Wynn	5	3 9	155	43·2	49·10	190	164
D Criccieth (Bron Eifion)	J. E. Greaves, Esq.	5	1 0	100	..	47·73	192	169
5.—GLASLYN 50 sq. mi.								
D Portmadoc (Wern)	R. M. Greaves, Esq.	5	1 0	20	..	49·85	230	189
d Beddgelert (Co. School)	The Headmaster	5	1 0	133	..	88·79	..	..
w Hafodtanygraig	Arnold White, Esq.	5	1 6	280	..	101·27	..	..
D Snowdon (Cwm Dyli) No. 11 (+A).	N. Wales Power Co., Ltd.	5	1 0	310	*117·9*	116·08	239	221
M Snowdon (Cwm Dyli, Old Rd.) 14.	N. Wales Power Co., Ltd.	5	0 10	325	..	114·51	..	..
M Snowdon (Llewedd) No. 2.	N. Wales Power Co., Ltd.	5	1 3	1485	..	120·45	..	..
M Snowdon (Delta) No. 7.	N. Wales Power Co., Ltd.	5	1 0	1435	..	167·70	..	..
M Snowdon (Glaslyn) No. 3.	N. Wales Power Co., Ltd.	5	0 8	2050	..	151·15	..	..
M Snowdon (Teryn) No. 1.	N. Wales Power Co., Ltd.	5	1 0	1080	..	158·40	..	..
d Snowdon (Llydaw Intake) No. 10.	N. Wales Power Co., Ltd.	5	1 0	1480	..	157·81	(237)	(223)
w Snowdon (L. Llydaw Copper M.) 9	N. Wales Power Co., Ltd.	5	1 5	1480	..	166·18	..	..
M Snowdon (Llyn Llydaw) No. 5.	N. Wales Power Co., Ltd.	5	1 0	1470	..	132·18	..	..
M Snowdon (Grib Goch) No. 8.	N. Wales Power Co., Ltd.	5	1 3	2340	..	171·05	..	..
ANGLESEY. (Area, 275 sq. mi.)								
D Bryn-siencyn (Trefarthen)	Miss E. Meyrick	5	1 0	30	..	37·89	196	149
Llangadwaladr (Bodorgan)	Sir George Meyrick, Bt.	5	1 0	100	37·5	38·57	210	153
Plas Cadnant	Major T. Fanning Evans	5	1 0	156	..	44·80	187	161
D Pen-y-Parc	Com. Sir R. Williams-Bulkeley, Bt. K.C.B.	5	1 0	372	..	43·14	214	157
D Llangefni (Glanaber)	M. Spencer Rogers, Esq.	8	1 2	70	..	41·90	208	163
d Llangefni (Fronheulog)	A. H. Withinshaw, Esq.	5	1 0	125	..	42·51	..	172
d Llansadwrn (Treffos)	C. Panton Vivian, Esq	..	..	318	..	44·45	..	..
D Llangwllog (Trescawen)	Mrs. Pritchard-Rayner	5	1 0	239	42·2	41·39	211	169
D Penmon (Tros-yr-afon)	Major H. W. Jones	8	1 4	60	..	40·38	210	152
D Bodedern (Presaddfed)	Lt.-Col. W. A. Fox-Pitt	5	1 0	150	38·9	38·80	188	162
D HOLYHEAD (Salt Island) (+A).	Assistant-in-Charge (M.O.).	8	1 0	26	34·8	37·93	208	156
D Llanerchymedd (Llwydiarth Esgob)	E. Thomas, Esq.	5	1 0	175	38·1	40·23	204	174
d Lligwy	Lord Boston	5	1 0	170	..	38·51	..	147
Amlwch (Dyffryn Adda)	Major T. Fanning Evans	5	1 3	178	36·3	42·96	208	156

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	ISLE OF MAN. (Area, 227 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
D	Douglas (Borough Cemetery)	The Borough Surveyor	8	1 0	284	41·2	50·42	204	169
D	Douglas (Clypse Res., Onchan)	T. C. Greenfield, Esq, C.E.	8	1 0	440	43·9	49·75	237	151
D	West Baldwin Reservoir	T. C. Greenfield, Esq., C.E.	5	1 0	475	..	63·59	211	171
	Maughold Head	Com'rs. of N. Lighth's	5	0 6	230	..	41·10	..	..
d	Ramsey (Town Hall)	The Town Surveyor	8	13 0	25	..	49·35	..	..
D	Ramsey (North Promenade)	The Town Surveyor	8	2 0	20	..	51·65	198	121
D	Point of Ayre	Com'rs. of N. Lighth's	8	1 0	30	..	36·53	197	137
	CHANNEL ISLANDS. (Area, 76 sq. mi.)								
	JERSEY. 45 sq. mi.								
D	La Rocque (Sandhurst)	H. C. Bisson, Esq.	5	1 6	10	..	24·50	186	129
D	St. Saviour (Petit Menage)	G. T. Robin, Esq.	5	0 10	30	..	32·35	214	156
D	Grouville	L. de Carteret Malet, Esq.*	5	1 6	70	..	35·15	205	155
D	St. Heliers (Harbour Office)	The Greffier	8	1 0	28	..	29·71	191	137
D	St. Heliers (St. Louis Obs.)	Rev. Ch. Rey, S.J.	8	1 5	180	*30·4*	31·44	191	143
D	St. Brelade (La Sergenté)	W. Benest, Esq	5	1 4	194	..	31·44	203	153
D	St. Aubins (Belle Vue)	C. J. Sumner, Esq.	5	1 2	220	..	31·91	209	152
D	St. Lawrence (Beaumont Marsh)	F. A. Laxen, Esq.*	5	1 0	60	..	32·73	183	148
D	Millbrook (St. Helier W.W.)	A. J. Jenkins, Esq., C. E.	5	0 11	53	..	34·09	191	145
D	Handois Reservoir	A. J. Jenkins, Esq., C. E.	5	1 0	272	..	39·45	214	164
D	Trinity (States Exptl. Farm)	States of Jersey	5	0 10	340	..	38·01	215	161
	GUERNSEY. 25 sq. mi.								
D	Torteval (La Colombier)	E. W. Sarre, Esq. **	5	1 0	237	..	38·63	202	150
D	St. Martin's (Les Blanches)	B. T. Rowswell, Esq.	5	1 0	309	..	35·98	200	155
D	St. Martin's (Hât Nez)	A. A. Allain, Esq., C.E.	5	0 8	336	..	38·18	197	154
D	Villiaze	A. A. Allain, Esq., C.E.	5	0 6	302	..	39·92	191	152
D	St. Peter Port (Grange Road)	States Met. Committee	5	1 0	175	33·2	39·56	193	157
D	Castel (King's Mills)	A. A. Allain, Esq., C.E.	5	2 0	47	..	35·37	186	147
D	Rohais (Colborne Villa)	T. J. Guilbert, Esq., C.E.	5	1 0	116	..	36·45	199	149
D	Menheniot Vineries	Major H. Roper	5	1 1	97	..	39·06	200	154
D	Les Quartiers	A. Higgs, Esq.	5	1 2	50	..	33·25	199	144
D	Vale (Maison de Bas)	J. J. Roussel, Esq.**	5	1 0	50	..	34·94	202	156
D	Vale (La Turquie Hill)	H. H. Smith, Esq.	5	0 11	40	..	33·04	201	153
	SARK. 2 sq. mi.								
D	Pointe Robert	B. T. Rowswell, Esq.	5	1 0	214	..	32·17	180	138
	HERM. 1 sq. mi.								
D	Herm	Sir Percival Perry	5	1 3	20	..	29·56	173	136
	ALDERNEY. 3 sq. mi.								
D	St. Anne's	B. T. Rowswell, Esq.	5	1 0	235	..	32·37	191	148

* *Per* A. J. Jenkins, Esq., C.E. ** *per* States Met. Committee.

SCOTLAND.

DIVISION XII—SOUTHERN COUNTIES.

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	WIGTOWN. (Area, 488 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—LOCH RYAN. 46 sq. mi.								
D	Castle Kennedy (Lochinch)	Earl of Stair	8	1 0	85	..	50·76	217	186
	2.—WESTERN GALLOWAY, 44 sq. mi.								
D	Logan House	K. McDouall, Esq.	8	1 0	80	37·3	42·95	271	171
	Corsewall	Com'rs. of N. Lighthouses	8	4 1	48	..	40·10	203	164
	3.—LUCE BAY. 186 sq. mi.								
D	Whithorn (Physgill)	F. B. Hopkins, Esq.	5	1 0	170	36·4	39·63	212	156
D	Whithorn (Glasserton)	Adm. Johnston Stewart, C.B.	5	1 0	225	39·5	41·81	201	160
d	Port William (Monreith)	W. J. Milne, Esq.	5	1 0	145	38·5	40·40	..	..
	Stoneykirk (Ardwell House)	Sir E. MacTaggart Stewart, Bt.	8	2 6	50	36·3	44·04	..	..
D	New Luce (Public School)	J. Mackay, Esq.	5	1 0	200	46·6	52·14	217	180
	4.—CREE & WIGTOWN BAY. 212 sq. mi.								
D	Garlieston (Galloway Ho.)	P. H. Fletcher, Esq.	5	0 11	40	39·1	45·51	203	162
D	Garlieston (Culderry)	Capt. A. Walmsley	5	1 0	25	..	45·98	203	168
D	Kirkcowan (Craighlaw)	Major W. M. F. Hamilton	5	1 0	300	48·3	51·97	220	178
D	Newton Stewart (Little Barraer)	Brig.-Gen. G. M. P. Hawthorn, C.B.E., D.S.O.	5	1 0	180	..	47·22	217	167
D	Newton Stewart (Duncree)	Maj.-Gen. Sir Keith Stewart K.C.B.	5	1 0	125	..	46·54	233	172
	KIRKCUDBRIGHT. (Area, 902 sq. mi.)								
	1.—DOON. 16 sq. mi.								
w	Rig of Millmore	Galloway Water Power Co.	5	1 0	1450	..	75·03	..	..
	2.—CREE & WIGTOWN BAY. 222 sq. mi.								
d	Borgue (Corseyard)	J. Douglas Brown, Esq.	5	1 0	50	39·8	38·05	..	149
w	Kirroughtree Forest	J. McK. Graham, Esq.	5	1 3	350	..	54·39	..	..
	3.—DEE. 377 sq. mi.								
D	Threave	Major C. L. Gordon	5	1 0	275	..	53·26	205	158
D	Mossdale (Hensol)	Lady Charles Kennedy	8	1 0	200	51·7	55·67	250	174
D	Mossdale (Barney Water)	Galloway Water Power Co.	5	1 0	240	..	57·40	200	161
D	Orchars	Galloway Water Power Co.	5	1 0	450	..	67·10	199	185
D	Clatteringshaws (Tunnel Intake)	Galloway Water Power Co.	5	1 0	600	..	68·92	228	174
D	Craigencallie	Galloway Water Power Co.,	5	1 0	740	..	83·47	198	185
	Loch Dee	Galloway Water Power Co.	5	1 0	800	..	89·14	..	..
D	Dalry (Garroch)	Arthur Young, Esq.	8	1 0	250	59·7	64·82	213	171
D	Dalry (Glendarroch)	Miss M. Barbour	5	2 0	190	54·5	53·65	220	173
d	Backhill-of-the-Bush	Galloway Water Power Co.	5	1 0	890	..	89·56	..	..
D	Dalry (Forrest Lodge)	Sir John Wood, Bart.	5	1 0	500	63·2	78·52	201	178
w	Carsphairn (Carlins Cairn)	Galloway Water Power Co.	5	1 0	1250	..	87·10	..	..
D	Carsphairn (Shiel)	Mr. W. Ritchie	5	1 0	825	73·9	71·27	196	184
D	Carsphairn (Fingland)‡	Galloway Water Power Co.	5	1 0	940	..	54·73	218	173
D	Carsphairn (Knockgray)	Miss Clark Kennedy	8	1 0	641	56·0	55·17	245	190
D	Carsphairn (Cornharrow)	Galloway Water Power Co.	5	1 0	810	..	58·05	221	179
D	Carsphairn (Moorbrock)	Galloway Water Power Co.	5	0 9	1000	..	62·14	188	170
d	Carsphairn (Knockingarroch)	Galloway Water Power Co.	5	1 0	740	..	55·51	..	..
D	Carsphairn (Lorg)	Galloway Water Power Co.	5	1 0	960	..	80·64	208	199
D	Carsphairn Moor	Galloway Water Power Co.	5	1 0	790	..	69·69	244	196
	4.—URR & C. 196 sq. mi.								
D	Auchencairn (Craigshall)	W. M. Thomson, Esq.	5	1 0	12	..	51·98	200	150
	Auchencairn (Torr House)	Thomas Ovens, Esq.	5	1 0	50	47·1	48·54	..	..
D	Dalbeattie (Drumstinchall)	Mrs. Hanbury	8	0 9	400	46·1	46·88	179	158
d	Chipperkyle	Lt.-Col. J. A. Pollok Morris.	5	1 6	310	..	46·93	..	154
	5.—NITH & C. 91 sq. mi.								
D	Lochrutton (Dumfries W.W.)	J. Smellie, Esq.	5	1 0	273	44·0	46·42	217	156
D	Carruchan	Mrs. Clark-Maxwell	5	1 0	73	..	42·80	198	155
	DUMFRIES. (Area, 1,074 sq. mi.)								
	1.—CLYDE—Right Bank Tributaries. 5 sq. mi.								
	2.—URR. 6 sq. mi.								

‡ Gauge moved 100 yards N.W., October, 1936.

DIVISION XII—SOUTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DUMFRIES—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—NITH & C. 421 sq. mi.								
D RUTHWELL (Comlongon Cas.)	W. Brown for the Earl of Mansfield	5	1 0	67	35·5	35·95	185	149
D DUMFRIES (Crichton Roy. Inst)	C. C. Easterbrook, Esq.,M.D.	5	1 0	140	36·8	38·02	180	141
D Blackwood	T. W. Kennedy, Esq.	5	1 6	90	41·1	46·21	192	162
D Moniaive (Glencrosh)	Miss Macmillan	5	1 1	400	51·0	54·60	197	170
Maxwelton House	Lieut.-Col. Sir J. E. Laurie, Bt.	5	1 3	375	..	49·25	190	167
D Durrisdeer (Drumlanrig)	R. A. S. Ritchie, Esq.	5	0 9	191	43·6	50·70	233	173
4.—ANNAN. 367 sq. mi.								
D Eastriggs (Dornoch House)	C. W. Grieve, Esq.	5	0 6	50	..	32·71	170	150
D Dalton (Whitecroft)	Lady A. Maitland-Heriot	5	0 8	240	40·1	42·38	176	162
D Dalton (Kirkwood)	Captain J. Steel	5	1 6	250	..	43·35	214	163
D Moffat (Huntly Lodge)	W. R. Morton, Esq.	8	1 3	428	..	47·71	213	156
D Evan Water School	Mrs. Grossart	5	1 0	560	51·2	50·38	199	161
5.—ESK. 275 sq. mi.								
d Eaglesfield (Springkell Gdns.)	Col. Sir E. A. Johnson-Ferguson	5	1 0	303	41·3	(44·16)	..	..
D Canonbie (Irvine House)	Sir J. Milne Home	5	0 9	200	46·5	42·85	198	156
m Langholm (Ewes)	Mrs. Lyall	5	1 0	445	51·8	53·28	..	..
D ESKDALEMUIR Observatory (+A)	The Superintendent	8	1 4	794	56·3	58·45	218	168
ROXBURGH. (Area, 666 sq. mi.)								
1.—NORTH TYNE. 6 sq. mi.								
2.—TWEED LOWER—Right Bank Tributaries. 57 sq. mi.								
D Yetholm (Old Graden)	P. S. Short, Esq.	5	1 0	500	..	32·04	175	131
3.—TWEED—Teviot & c. 431 sq. mi.								
D Hawick (WOLFELEE)	T. Lockie for Mrs. Browne	5	1 0	537	37·6	38·76	197	146
D Todshawhaugh	R. J. Usher, Esq.	5	1 0	450	..	33·16	184	133
D Denholm (Spital Tower)	J. G. Leadbetter, Esq.	5	0 9	410	32·7	32·16	209	148
D Jedburgh (Jedneuk)	Capt. John S. Aikman, M.C.	5	1 0	270	26·3	25·34	188	118
D Jedburgh (Crailing)	Major J. A. Paton	5	1 0	190	27·6	25·92	176	122
Linton (Clifton Park)	T. R. B. Elliot, Esq.	5	1 0	250	..	30·09	..	..
D Melrose (Bowden, Kippilaw)	W. A. Henderson, Esq.	5	1 6	500	..	32·29	191	139
D St. Boswells (Monksford)	T. S. Craig, Esq.	5	0 11	320	26·9	28·96	195	135
4.—TWEED—Ettrick & c. 10 sq. mi.								
D Melrose (Asylum) *gauge* A	T. C. Mitchell, Esq.	5	0 6	480	31·4	28·33	197	134
D Melrose (Asylum) *gauge* B	T. C. Mitchell, Esq.	5	1 0	480	30·8	27·16	197	134
5.—TWEED—Gala. 6 sq. mi.								
6.—TWEED—Leader & c. 25 sq. mi.								
7.—TWEED, LOWER—Left Bank Tributaries. 25 sq. mi.								
D KELSO (Broomlands)	J. C. Scott, Esq.	5	1 0	193	26·0	26·25	185	124
8.—ESK. 106 sq. mi.								
Newcastleton Forest	Forestry Commission	5	1 0	700	48·5	47·97	..	..

DIVISION XIII—SOUTH-EASTERN COUNTIES.

SELKIRK. (Area, 268 sq. mi.)								
1.—TWEED—Teviot & c. 34 sq. mi.								
D Selkirk (Whitmuir Hall)	Miss M. E. Maxwell	5	1 0	800	32·5	35·91	214	142

DIVISION XIII—SOUTH-EASTERN COUNTIES.—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SELKIRK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—TWEED—Ettrick & c. 192 sq. mi.								
D Ettrick Manse	Rev. W. Addison	5	1 2	787	55·6	53·49	199	157
3.—TWEED, UPPER—Right Bank Tributaries. 17 sq. mi.								
4.—TWEED, UPPER—Left Bank Tributaries. 19 sq. mi.								
Galashiels (The Peel, Clovenfords)	Mr. A. MacDonald	5	1 0	450	35·5	36·74	..	..
5.—TWEED—Gala. 6 sq. mi.								
PEEBLES. (Area, 348 sq. mi.)								
1.—TWEED, UPPER—Right Bank Tributaries, 127 sq. mi.								
M Edin. WW (Ravenscraig) 3.	Messrs. Leslie & Reid, C.E.	8	1 6	2258	..	82·91	..	..
M Edin. WW (Gameshope Loch) 4.	Messrs. Leslie & Reid, C.E.	8	1 6	1860	70·6	68·47	..	..
M Edin. WW (Loch Craig Head) 2.	Messrs. Leslie & Reid, C.E.	8	1 6	2627	..	75·66	..	..
M Edin. WW (Gameshope Farm) 5.	Messrs. Leslie & Reid, C.E.	8	1 6	1538	..	78·72	..	..
M Edin. WW (Talla Linns Foot) 6.	Messrs. Leslie & Reid, C.E.	8	1 6	966	61·8	63·19	..	..
M Edin. WW (Quarter Hill) 7.	Messrs. Leslie & Reid, C.E.	8	1 0	1196	..	45·95	..	..
D Edin. WW (Victoria Lodge) 8.	Messrs. Leslie & Reid, C.E.	5	1 3	900	50·0	47·29	224	170
2.—TWEED, UPPER—Left Bank Tributaries. 192 sq. mi.								
D Stobo Castle	Mr. J. Finnie	5	1 0	594	34·9	38·03	210	156
D Peebles (Golf Course)	The Town Clerk	5	1 0	629	..	33·65	202	146
D West Linton (Woodlea Cottage)	Messrs. Leslie & Reid, C.E.	5	0 11	801	..	36·09	221	153
D West Linton (Cairnton)	Dr. R. Graham Yooll	5	1 0	820	..	38·99	185	163
D West Linton (Baddingsgill Res.)	A. Simpson, Esq.	8	1 0	1100	..	44·26	255	180
3.—ESK. 23 sq. mi.								
D Eddlestone (Portmore Res.)	Messrs. Leslie & Reid, C.E.	5	0 6	1000	..	39·88	238	163
d Carlops (North Esk Res.)	J. Gilmour, Esq.	5	1 0	1150	..	(43·00)	(236)	(176)
4.—CLYDE—Right Bank Tributaries. 6 sq. mi.								
BERWICK. (Area, 457 sq. mi.)								
1.—TWEED—Gala. 6 sq. mi.								
2.—TWEED—Leader. 92 sq. mi.								
D Earlston (Cowdenknowes)	T. A. Mole, Esq.	5	1 3	300	28·8	29·88	145	121
3.—TWEED, LOWER—Left Bank Tributaries. 115 sq. mi.								
D Coldstream (Lochton)	J. Aitchison, Esq.	5	1 0	151	25·9	26·17	160	120
D Swinton House (+A)	Rev. A. E. Swinton	5	1 0	200	26·4	26·66	186	118
D Paxton (Tweedhill)	H. I. Brackenbury, Esq.	5	1 7	60	..	23·57	155	109
4.—TWEED—Whiteadder. 164 sq. mi.								
D Marchmont House	P. Ross, Esq.	5	1 0	498	32·2	30·70	209	129
D Duns (Nisbet House Gdns.)	Mr. W. Cowieson	5	1 0	290	26·8	30·19	193	133
D Duns (Oxendean)	A. C. Fraser, Esq.	8	0 9	600	..	32·68	191	136
D Duns Castle	Mrs. F. S. Hay	5	1 0	500	30·8	31·22	188	129
D Duns (Manderston)	Mr. P. Dalgleish	5	2 6	356	30·7	33·04	204	135
5.—EAST COAST STREAMS. 80 sq. mi.								
St. Abb's Head	Com'rs of N. Lighthouses	8	5 6	212	23·6	22·99	..	..

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	EAST LOTHIAN (Area, 267 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—TWEED—Leader. 1 sq. mi.								
	2.—TWEED—Whiteadder. 35 sq. mi.								
	3.—EAST COAST STREAMS. 69 sq. mi.								
M	Garvald (Donolly Reservoir)	A. Robertson, Esq., C.E.	5	1 0	550	32·8	30·40	..	..
M	Garvald (Thorter Reservoir)	A. Robertson, Esq., C.E.	5	1 0	700	..	30·92	..	..
D	Haddington (Beech Hill)	H. V. de Pree, Esq.	5	1 0	420	..	26·17	178	108
D	Broxmouth	J. Easson, Esq.	4	1 0	50	..	24·35	147	103
D	DUNBAR (Public Park)	Town Cl. per the late Sir W. J. Keith	5	1 0	75	..	23·81	165	103
	4.—TYNE & C. 114 sq. mi.								
D	Lammermuir H. (West Hopes)	J. Ross, Esq.	5	1 0	736	34·4	40·72	172	156
W	Lammermuir H. (Stobshiel Res.) B.	J. Ross, Esq.	5	1 0	950	33·0	35·14	..	..
W	Lammermuir H. (Stobshiel Res.) A.	J. Ross, Esq.	5	1 0	998	28·1	30·76	..	..
W	Lammermuir H. (Lammerloch Res.)	J. Ross, Esq.	5	1 0	900	..	36·20	..	..
	5.—FIRTH OF FORTH. 48 sq. mi.								
D	East Fortune Sanatorium	The Clerk of Works	5	1 4	101	23·5	25·48	142	106
D	Dirleton	James Curr, Esq.	5	1 0	149	..	23·12	163	105
D	North Berwick Reservoir	A. Robertson, Esq., C.E.	5	1 0	150	25·4	27·78	176	136
D	NORTH BERWICK (Gas Works)	The Town Council	5	1 0	118	24·1	26·23	179	130
	6.—INSULAR.								
	Fidra	Com'rs. of N. Lighthouses	...	..	..	21·0	22·08	180	121
	MIDLOTHIAN. (Area, 369 sq. mi.)								
	1.—TWEED—Gala. 68 sq. mi.								
M	Stow (Cragdale)	J. Pringle, Esq.	5	0 6	642	33·0	33·50	..	..
	2.—TYNE. 28 sq. mi.								
D	Oxenfoord Castle Gardens	Mr. D. M. Welsh	5	1 6	409	26·6	27·88	183	129
	3.—FIRTH OF FORTH. 3 sq. mi.								
	4.—ESK. 116 sq. mi.								
M	Moorfoot Hills (Bowbate) *old g.*	Messrs. Leslie & Reid, C.E.	11	0 6	1260	*46·6*	44·82	..	..
M	Moorfoot Hills (Bowbate) *new g.*	Messrs. Leslie & Reid, C.E.	8	1 0	1260	..	45·43	..	..
D	Moorfoot Hills (Gladhouse Res.)	Messrs. Leslie & Reid, C.E.	5	0 8	915	35·3	39·76	235	176
D	Moorfoot Hills (Rosebery)	Messrs. Leslie & Reid, C.E.	5	0 6	750	32·1	33·34	212	157
D	Moorfoot Hills (Edgelaw)	Messrs. Leslie & Reid, C.E.	5	0 6	654	31·9	28·13	211	145
D	Gorebridge	W. S. B. Brown, Esq.	5	1 0	560	29·3	31·22	200	143
M	Pentland Hills (Harehill)	Messrs. Leslie & Reid, C.E.	5	1 2	1297	42·0	34·18	..	..
D	Pentland Hills (Martyrs Cross)	Messrs. Leslie & Reid, C.E.	5	1 0	750	35·5	35·58	235	164
D	Pentland Hills (Loganlea)	Messrs. Leslie & Reid, C.E.	5	1 0	811	38·5	36·03	210	158
D	Pentland Hills (Glencorse Fil.)	Messrs. Leslie & Reid, C.E.	5	1 0	638	35·0	34·76	199	162
D	Pentland Hills (Glen Cottage)	Messrs. Leslie & Reid, C.E.	5	1 3	739	38·6	34·84	203	157
D	Newbattle (Public School)	W. Fowler, Esq.	5	1 0	300	25·7	28·02	189	129
	5.—ALMOND & C. 153 sq. mi.								
D	Pentland Hills (Crosswood)	Messrs. Leslie & Reid, C.E.	5	1 0	950	39·5	35·85	231	170
D	Pentland Hills (Harperrig)	Messrs. Leslie & Reid, C.E.	5	1 0	900	38·8	36·56	229	160
D	Pentland Hills (Morton)	Messrs. Leslie & Reid, C.E.	5	1 0	749	37·4	34·28	240	161
d	West Calder (Addiewell)	Scottish Oils, Ltd.	12	21 0	620	35·7	34·28	..	..
D	BOGHALL (+A)	Edin. & E. of S. Coll. of Ag.	8	1 0	639	33·1	31·14	205	141
D	BALERNO (Shothead)	A. B. Buchanan Smith, Esq.	5	1 0	750	..	34·72	182	136
D	Pentland Hills (Harlaw Res.)	Messrs. Leslie & Reid, C.E.	5	1 0	800	33·4	29·19	198	123
M	Pentland Hills (Bonally Res.)	Messrs. Leslie & Reid, C.E.	11	0 8	1112	38·0	32·30	..	..
D	Pentland Hills (Clubbiedean Res.)	Messrs. Leslie & Reid, C.E.	5	0 9	773	30·4	29·06	186	136
M	Pentland Hills (Swanston)	Messrs. Leslie & Reid, C.E.	11	1 0	550	31·6	27·57	..	..
D	Pentland Hills (Fairmilehead)	Messrs. Leslie & Reid, C.E.	5	1 0	590	30·8	27·67	180	134

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
MIDLOTHIAN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—ALMOND & C.—(*con.*).								
D Liberton (Alnwick Hill)	Messrs. Leslie & Reid, C.E..	5	1 0	407	28·5	27·62	179	129
D Colinton (Firhill Tank)	Messrs. Leslie & Reid, C.E..	5	0 10	412	29·0	23·02	198	111
D Liberton (College Gdns.)	Edin. & E. of S. Coll. of Ag. .	5	1 0	190	27·7	26·62	181	131
D Edinburgh (Blackford Hill)	The Astronomer Royal for Scot.	8	1 0	441	26·3	25·17	201	127
D Edinburgh (Univ. King's B.)	Prof. Sir T. Hudson Beare..	5	1 0	225	..	24·99	173	120
D Edinburgh (Gogar Park)	R. Cross, Esq.	5	1 0	155	..	27·45	190	134
D Edinburgh (Napier Road)	Mrs. H. G. Harrison	5	1 0	300	26·2	26·36	196	119
D Edinburgh (Corstorphine)	J. Laughton, Esq.	5	0 8	180	..	25·64	188	117
d Edinburgh (The Academy)	W. P. D. Wightman, Esq., Ph.D.	5	1 0	70	25·9	23·26	(177)	(120)
D Edinburgh (St. Roque)	Mr. S. Suttie	5	0 10	270	27·7	26·80	185	128
D Edinburgh (City Observatory)	The late J. McDougal Field, Esq.	8	1 0	348	*24·1*	23·68	189	120
D Edinburgh (Royal Botanic Gd.)	Prof. Sir W. Wright-Smith	5	1 0	74	26·5	23·61	171	113
6.—CLYDE—Right Bank Tributaries. 1 sq. mi.								
WEST LOTHIAN (Area, 120 sq. mi.)								
1.—ALMOND & C. 60 sq. mi.								
M Uphall	No. 7. Messrs. Leslie & Reid, C.E..	8	1 4	646	..	32·56	..	..
M Uphall	No. 8. Messrs. Leslie & Reid, C.E..	8	1 4	577	32·7	32·29	..	..
M Uphall	No. 6. Messrs. Leslie & Reid, C.E..	8	1 4	680	31·9	32·05	..	..
M Uphall	No. 3. Messrs. Leslie & Reid, C.E..	8	1 2	711	32·2	32·30	..	..
d Uphall	Scottish Oils, Ltd.	8	0 10	380	31·4	30·95	..	..
D Uphall (Houstoun House)	J. W. Shairp, Esq.	5	1 0	420	..	31·78	196	143
Winchburgh (Hopetown Oil Wks.)	Scottish Oils, Ltd.	8	2 2	327	33·3	29·43	..	..
Dalmeny House	The Earl of Rosebery	5	1 0	50	25·9	24·46	..	..
2.—FORTH—Right Bank Tributaries.—59 sq. mi.								
D Bathgate (Filters)	No. 1. A. L. Reid, Esq.	5	0 9	640	33·2	32·03	173	135
M Bathgate (Petershill Res.)	No. 2. A. L. Reid, Esq.	5	0 9	710	*30·3*	29·72	..	..
M Torpichen (Lochcote)	Wm. Beattie, Esq.	5	0 9	550	33·5	31·68	..	..
D Uphall (Beecraigs)	Messrs. Leslie & Reid, C.E..	5	1 0	531	32·6	34·57	205	149
M Carribber Reservoir	Wm. Beattie, Esq.	5	0 9	350	33·1	30·51	..	..
D Linlithgow (Grange)	Miss J. G. Cadell	5	0 9	430	30·2	30·21	206	141
D Linlithgow (Preston House)	Mr. J. Hay	5	1 0	380	32·6	30·38	181	138
3.—CLYDE.—Right Bank Tributaries. 1 sq. mi.								

DIVISION XIV—SOUTH-WESTERN COUNTIES.

LANARK. (Area, 881 sq. mi.)

1.—TWEED, UPPER—Left Bank Tributaries. 20 sq. mi.								
2.—ALMOND. 14 sq. mi.								
3.—FORTH—Right Bank Tributaries. 9 sq. mi.								
D Airdrie (Forrestburn Res.)	A. Simpson, Esq., C.E.	5	1 0	722	*36·6*	39·12	198	162
4.—CLYDE—Right Bank Tributaries. 378 sq. mi.								
D Crawford (Camps Res.)	Jas. McMillan, Esq.	11	0 10	969	..	41·03	212	164
D Crawford (Camps Res.) (+A)	Jas. McMillan, Esq.	5	0 10	969	..	40·18	212	165
D Crawford (Camps Res.) No. 3	Jas. McMillan, Esq.	11	0 10	969	..	41·36	212	164
M Coulter Reservoir	No. 1. L. Costley, Esq., C.E.	11	1 0	1250	..	48·70	..	..
M Lamington (Cowgill Reservoir)	J. Chisholm, Esq., C.E.	5	1 0	1012	..	39·16	..	..
D Biggar (Shieldhill)	Miss Dunlop	5	1 0	850	*32·7*	31·76	232	158
D Lamington House	Rt. Hon. Lord Lamington..	5	1 0	730	*38·0*	36·12	232	172
Carluke (Coldstream Reservoir)	L. Costley, Esq., C.E.	11	1 0	800	*36·2*	30·05	..	..
Carluke	J. Barr, Esq.	5	0 5	640	..	30·85	..	..
D Carluke (Law Junction)	Dr. W. A. Galbraith	5	1 0	534	..	30·38	211	154
Wishaw (Kirk Road)	J. Y. Scott, Esq.	6	1 0	480	*32·1*	32·05	..	..
Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1 3	510	..	31·31	..	..
D Glasgow (Tollcross Park)	W. Besant, Esq.	5	0 6	85	*37·5*	38·18	214	151

DIVISION XIV—SOUTH-WESTERN COUNTIES.—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	LANARK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—CLYDE—Right Bank Tributaries—(*con.*).								
D	Glasgow Green	W. Besant, Esq.	5	0 6	35	*36·8*	39·07	210	164
D	Glasgow (Alexandra Park)	W. Besant, Esq.	5	0 6	141	*36·4*	39·65	209	156
D	Glasgow (Riddrie)	K. McKenzie Topping, Esq., B.Sc.	5	1 0	252	..	41·22	203	153
D	Glasgow (Botanic Gardens)	W. Besant, Esq.	5	0 6	110	*35·5*	36·67	206	151
D	GLASGOW University	Prof. J. R. Currie, M.D., D.P.H.	8	1 0	85	*35·4*	35·66	211	145
D	Glasgow (Kelvingrove Park)	W. Besant, Esq.	5	0 6	48	*36·2*	36·82	176	156
D	Glasgow (Victoria Park)	W. Besant, Esq.	5	0 6	30	*36·8*	35·86	204	156
D	Glasgow (Ruchill Park)	W. Besant, Esq.	5	0 6	222	*36·1*	37·25	209	145
D	Glasgow (Springburn Park)	W. Besant, Esq.	5	0 6	351	*38·0*	40·85	230	161
M	Clarkston (Roughrigg Res.)	J. Chisholm, Esq., C.E.	5	1 0	664	..	37·38	..	..
D	Airdrie (Broomknoll Street)	J. Chisholm, Esq., C.E.	5	1 0	402	*35·1*	35·13	185	145
D	Gartcosh (Gartloch Hospital)	Mr. Donald McMillan	5	1 0	291	*38·0*	37·97	210	151
d	Caldercruix (Hillend Res.)	Mr. Boyd Drummond	5	3 6	620	*37·3*	42·80	..	150
D	Chryston School House	W. V. Forrest. Esq.	5	1 0	298	..	36·37	210	150
	5.—CLYDE—Left Bank Tributaries. 448 sq. mi.								
	Elvanfoot (Potrenick Burn)	L. Costley, Esq., C.E.	11	1 0	1018	*63·5*	61·65	..	..
	Elvanfoot (Peden Reservoir)	L. Costley, Esq., C.E.	11	1 0	1030	*62·0*	60·15	..	..
D	Douglas (Monksfoot)	T. Steele, Esq.	5	1 0	780	..	52·90	234	208
D	Douglas (Kilncroft)	The Earl of Home	8	1 3	696	*43·4*	42·09	214	178
D	Strathaven (Glengavel Res.) *new site*	J. McMillan, Esq., C.E.	5	1 0	839	..	53·05	231	184
D	Symington (Birkwood)	Col. D. E. Brand, D.S.O.	5	1 6	750	..	33·63	204	162
D	Strathaven (DUNGAVEL)	A. K. Foulis, for the Duke of Hamilton & Brandon	5	1 0	798	..	46·63	221	176
D	Strathaven (Dunside Res.)	J. McMillan, Esq., C.E.	5	0 10	1010	..	46·90	227	166
D	Strathaven (Dunside Res.) *new site*	J. McMillan, Esq., C.E.	5	1 0	1002	..	48·50	227	166
D	Strathaven (Kype Res.)	George Allison, Esq.	5	1 0	941	..	50·79	230	196
W	Lesmahagow (Auchtyfardle)	Mrs. Lander	5	1 0	578	*37·0*	35·17	..	..
D	Strathaven (East Overton Ho.)	Mrs. H. Lee Dykes	5	1 0	700	*43·8*	48·28	173	159
D	Stonehouse (Sanatorium)	W. A. Chapman, Esq.	5	0 7	526	..	37·84	223	163
D	Stonehouse (Glassford Filters)	J. McMillan, Esq., C.E.	5	0 9	775	..	43·80	231	176
D	Hamilton W.W. (Townhill)	George Allison, Esq.	5	1 0	430	35·6	36·51	201	152
D	Hamilton (Wellhall Road)	S. B. Becket, Esq.	5	1 6	234	*33·0*	35·05	199	143
D	Hamilton (Woodlea)	W. Fletcher, Esq.	5	1 4	192	..	34·81	196	139
D	THORNTONHALL	A. H. Bishop, Esq.	5	1 0	441	*38·4*	42·12	218	155
D	Carmunnock (Carnbooth)	R. Robertson, Esq., C.E.	5	1 0	365	*39·3*	42·05	225	154
D	Cambuslang (Greenlees Filters)	J. McMillan, Esq., C.E.	5	1 0	322	*35·6*	38·83	198	150
D	Glasgow (Dumbreck)	W. Gillies, Esq., LL.B.	5	1 0	76	..	38·28	208	152
D	Glasgow (Maxwell Drive)	Rev. F. C. Newbery	5	1 0	60	..	36·29	193	179
D	Glasgow (Bellahouston Park)	W. Besant, Esq.	5	0 6	80	*36·5*	41·05	209	167
D	Glasgow (Elder Park)	W. Besant, Esq.	5	0 6	25	*37·4*	40·42	215	198
	6.—IRVINE. 2 sq. mi.								
	7.—AYR. 1 sq. mi.								
	8.—NITH. 2 sq. mi.								
	9.—ANNAN. 7 sq. mi.								
	AYR. (Area, 1,135 sq. mi.)								
	1.—CLYDE—Left Bank Tributaries. 7 sq. mi.								
D	Glengarnock (Chemical Works)	Messrs. Colvilles, Ltd.	8	15 0	105	54·4	48·66	205	167
	2.—FIRTH OF CLYDE. 60 sq. mi.								
D	Ardrossan (Burnfoot)	J. C. Duncan, Esq., C.E.	5	1 0	63	..	41·77	212	164
D	Stevenston (Greenhead Filters)	W. G. Guild, Esq.	5	1 0	186	41·6	44·52	204	171
	Ardrossan (Busbie Res.)	J. C. Duncan, Esq., C.E.	5	1 0	370	..	47·00	..	..
D	Seamill	A. McDonald, Esq.	5	1 6	37	..	38·80	193	149
D	West Kilbride School	Alex. M. Fleming, Esq.	5	1 0	200	..	41·11	205	158
	West Kilbride (Crosbie Res.)	W Gray, Esq.	5	1 0	400	..	41·02	..	..
D	West Kilbride (Hunterston)	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	5	1 0	40	42·4	43·00	204	169
D	Fairlie (Southannan)	H. W. Rowe, Esq.	5	1 0	20	..	52·57	213	184
	Fairlie (Water Works)	W. Gray, Esq.	5	1 0	270	..	52·41	..	..
D	Largs (Stevenson Institute)	G. Arkieson, Esq.	5	1 0	20	..	47·96	207	182
D	Largs (Woodbank)	A. Simpson, Esq.	5	1 0	25	..	46·58	207	168
D	Largs (Noddsdale)	H. P. Ramage, Esq.	5	1 0	250	..	53·98	220	173

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
AYR—(*con.*).		*in.*	*ft in.*	*ft.*	*in.*	*in.*		
2.—FIRTH OF CLYDE—(*con.*).								
Largs (Middleton Filters)	G. Arkieson, Esq.	5	1 0	230	..	51·78	212	173
Shaws W.W. (Knockencorsan) *new site*	J. MacAlister, Esq., C.E.	5	1 0	1040	..	68·00	..	..
Shaws W.W. (Largs Road)	J. MacAlister, Esq., C.E.	5	1 0	910	*57·0*	64·40	..	..
3.—IRVINE & C. 296 sq. mi.								
d Ayr (Heathfield)	Medical Officer of Health.	5	1 0	43	..	35·11	..	152
D Prestwick	Burgh Surveyor.	5	1 0	17	..	33·45	201	149
D Prestwick (Ladykirk Filters)	F. Pritty, Esq., C.E.	6	1 0	185	..	46·41	200	166
D Troon	The Town Council (M. S. Brodie)	5	1 0	15	..	38·36	206	153
D Symington	T. McMillan, Esq., M.A.	5	1 0	290	..	40·64	203	160
D Hurlford (Carnell)	G. D. Findlay Hamilton, Esq.	5	1 0	300	..	43·60	201	166
Troon (Collenan Reservoir)	M. S. Brodie, Esq.	5	1 0	203	..	39·32	..	..
D Treesbank	Mr. A. B. Stewart	5	1 0	150	..	44·36	204	165
D Irvine (Gailes)	H. W. Aitken, Esq.	5	1 0	12	35·9	38·63	196	160
D Cessnock Castle	J. Harling Turner, Esq.	5	1 0	375	..	47·83	215	177
D Newmilns (Lanfine)	G. R. Shield, Esq.	5	1 6	500	..	50·69	222	181
d Kilmarnock (The Mount)	J. L. Lawson, Esq.	5	0 9	100	..	44·57	..	170
D Templetonburn	F. C Howie, Esq.	5	1 0	140	..	45·48	224	170
D Darvel (Kirkland Park)	R. P. Boyd, Esq.	5	1 0	350	..	55·66	216	177
Raithhill	W. Dunbar, Esq.	5	1 0	640	..	55·92	..	..
D Kilmarnock (Kay Park) (+A)	W. Dunbar, Esq.	5	4 0	132	..	42·28	219	166
D Kilmarnock (Dean Castle)	W. Dunbar, Esq.	5	1 0	190	40·7	44·15	220	174
D Irvine (Cuninghame Home)	J. Gillespie, Esq.	5	1 0	24	..	40·54	194	161
D Kilmarnock (North Craig Res.)	W. Dunbar, Esq.	5	1 0	319	41·2	49·24	223	183
D Montgreenan Gardens	A. Dow, Esq.	5	0 9	180	..	45·37	213	173
Fenwick (Whiteliehill)	W. Dunbar, Esq.	5	1 0	915	..	55·46	..	..
D Fenwick (Hareshawmuir)	E. Richmond Paton, Esq.	5	1 0	600	48·5	53·41	200	173
Croilburn	W. Dunbar, Esq.	5	1 0	725	..	53·92	..	..
D Fenwick (Amlaird Filters)	W. Dunbar, Esq.	5	1 0	590	43·3	50·27	216	178
Craigendunton Reservoir	W. Dunbar, Esq.	5	1 0	805	46·4	54·18	..	..
Loch Goin Reservoir	W. Dunbar, Esq.	5	1 0	865	49·4	56·58	..	..
D Blair Gardens	W. Dunbar, Esq.	5	1 0	155	..	49·82	208	178
Moor Farm	W. Dunbar, Esq.	5	1 0	810	..	55·29	..	..
D Stewarton Filters	C. M. L. Bodie, Esq.	5	1 6	515	..	50·20	216	183
d Kirkland (Dunlop)	R. Clement, Esq.	5	1 0	400	..	(52·46)	(200)	(176)
D Dalry (Munnoch Reservoir)	W. G. Guild, Esq.	5	1 0	325	47·9	51·22	221	173
D Dalry (Caaf Reservoir)	W. G. Guild, Esq.	5	1 3	515	53·2	56·64	221	184
D Dalry (Birkheadsteel)	W. G. Guild, Esq.	5	1 0	520	..	58·77	221	190
D Dalry W.W. (Filters)	W. Gray, Esq.	5	1 0	320	46·5	51·97	223	177
D Dalry (Templand)	A. Shanks, Esq.	5	1 0	154	..	48·47	216	170
Dalry W.W. (Thirdpart)	W. Gray, Esq.	5	1 0	560	52·0	51·02	..	..
Dalry (Knockendon)	W. G. Guild, Esq.	5	1 3	750	..	54·22	..	..
Dalry (Bradshaw)	W. G. Guild, Esq.	5	1 3	1050	..	51·27	..	..
Dalry (Camphill Reservoir)	James Lee, Esq.	5	1 0	611	..	66·54	..	..
D Beith (Filter Station)	W. Gray, Esq.	5	1 0	412	54·5	54·14	218	184
D Kilbirnie (Hole House Filters)	W. Gray, Esq.	5	1 0	377	..	66·97	245	203
M Kilbirnie (Pundeavon Res.)	W. Gray, Esq.	11	1 0	898	..	82·26	..	..
4.—AYR. 222 sq. mi.								
D Ayr Cemetery	J. Young, Esq., C.E.	5	1 0	40	34·8	34·42	177	151
D Auchincruive	W. Scotland Agric. Coll.	8	1 0	89	..	38·09	200	152
D Catrine	Messrs. J. Findlay & Co.	5	1 0	300	..	42·78	218	164
D Montgomerie	E. S. Arthur, Esq.	5	1 2	340	..	41·71	197	166
D Muirkirk (Dalfram Farm)	W. Dunbar, Esq.	5	1 0	715	..	45·44	197	170
D Muirkirk (Kaimshill)	A. B. Thomson, Esq.	5	1 6	750	43·4	40·11	218	176
D Mauchline (Hillhead Tank)	W. Gray, Esq.	5	1 0	564	..	43·84	209	162
Sorn (Blackside Water Tank)	W. Gray, Esq.	5	1 0	840	..	47·91	..	..

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more
AYR—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—DOON 119 sq. mi.								
d Tunskeen	Galloway Water Power Co.	5	1 0	1010	..	76·97	..	(169)
Loch Recawr	J. Young, Esq., C.E.	5	1 0	933	..	73·00	..	..
Loch Finlas	J. Young, Esq., C.E.	5	1 0	849	55·1	54·08	..	..
D Dalmellington (Mossdale Filters)	W. Gray, Esq.	5	1 0	764	..	42·71	226	170
D Dunaskin (Ardoon)	Messrs. Bairds & Dalmellington Ld.	5	1 0	686	..	52·35	219	188
D Patna (Kerse Filters)	W. Gray, Esq.	11	1 0	743	44·1	36·15	155	138
D Maybole (Otterden)	Robert Cross, Esq.	5	1 3	314	..	43·36	213	168
D Dalrymple (Knockjarder W.W.)	J. Young, Esq., C.E.	5	1 0	287	..	42·91	200	159
D Ayr (Doonholm)	Col. N. Kennedy, D.S.O.	5	1 0	90	38·8	43·88	211	183
D Alloway (Doonside)	Mr. R. McLeod	5	1 5	99	..	44·27	230	176
6.—CULZEAN BAY & C. 32 sq. mi.								
D TURNBERRY (Hotel)	Resident Manager	5	1 0	30	..	39·65	212	166
D Maybole (Culzean Castle Gdns)	Mr. W. J. Orr	8	1 3	138	36·4	42·62	198	169
7.—GIRVAN. 105 sq. mi.								
D Girvan (Glendoune Gardens)	Mr. J. Melbourne	5	1 0	100	41·8	41·57	213	180
Loch Bradan	M. S. Brodie, Esq.	11	0 10	990	57·6	57·08	..	..
D Dailly (Capelrig Cottage)	J. Simons, Esq.	5	0 9	120	..	50·27	209	182
8.—STINCHAR & C. 155 sq. mi.								
D Glenapp Castle Gardens	Mr. A. W. Taylor	5	0 7	100	..	52·42	184	154
D Ballantrae (Windyknowe)	Capt. J. M. Borland, C.B.,D.S.O.	5	1 0	62	..	43·17	216	156
D COLMONELL (Knockdolian)	A. Ogg for Capt. McConnell	5	1 0	170	44·8	46·35	200	160
D Pinwherry (Alticane)	D. I. W. Gray, Esq.	5	1 0	200	51·4	49·65	219	174
D Girvan (Pinmore)	Major E. C. Maxwell	5	0 5	207	49·8	51·24	232	176
D Barr (Alton Albany)	Lt.-Cdr. G. Hughes-Onslow, D.S.C.	5	1 6	330	..	53·84	230	187
9.—LOCH RYAN. 12 sq. mi.								
10.—LUCE BAY. 15 sq. mi.								
d Ballantrae (Lagafater Lodge)	Cedric R. Boult, Esq.	5	0 11	792	64·8	65·12	..	178
11.—CREE. 40 sq. mi.								
12.—DEE. 9 sq. mi.								
13.—NITH. 62 sq. mi.								
Afton Res. (Afton Water)	W. Gray, Esq.	5	1 0	1525	..	84·50	..	..
Afton Res. (Alwhat Burn)	W. Gray, Esq.	5	1 0	1435	..	87·40	..	..
Afton Res. (Montraw Burn)	W. Gray, Esq.	5	1 0	1554	..	83·50	..	..
Afton Res. (Montraw)	W. Gray, Esq.	5	1 0	1372	..	83·80	..	..
Afton Res. (Green Burn)	W. Gray, Esq.	5	1 0	1415	..	89·20	..	..
D Afton Res. (Filters)	(+A) W. Gray, Esq.	5	1 0	1361	..	77·83	243	191
D Glen Afton (Ayr Sanatorium)	Dr. E. E. Prest	5	1 0	833	53·2	55·47	240	175
D New Cumnock (Power Stn.)	New Cumnock Collieries, Ltd.	5	1 0	764	55·8	44·69	190	170
14.—INSULAR. 1 sq. mi.								
Ailsa Craig	Com'rs. of N. Lighthouses	5	1 0	35	27·0	35·03	172	150
RENFREW. (Area, 241 sq. mi.)								
1.—CLYDE—Right Bank Tributaries. 3 sq. mi.								
2.—CLYDE—Left Bank Tributaries. 194 sq. mi.								
Gorbals Dist.W.W. (Nether Cairn)	J. Cochrane, Esq.	12	0 5	700	55·4	54·60	..	..
Gorbals Dist.W.W.(Waulk Glen)	J. Cochrane, Esq.	12	0 5	280	47·2	45·80	..	..
Paisley W. W. (Muirhead)	James Lee, Esq.	5	1 0	482	53·9	53·71	..	..
Paisley W. W. (Springside)	James Lee, Esq.	5	1 0	532	59·1	55·55	..	..
Paisley W.W.(Back Thornlymuir)	James Lee, Esq.	12	1 0	646	50·9	53·53	..	..
Paisley W.W. (Stanely)	James Lee, Esq.	5	1 0	190	..	48·76	..	..
D Howwood (Midton House)	A. D. McNab, Esq.	5	1 3	232	56·9	54·20	170	153
D Pollokshaws (Rouken Glen)	W. Besant, Esq.	5	0 6	156	43·2	42·63	196	150
D Glasgow (The Linn Park)	W. Besant, Esq.	5	1 0	180	33·8	38·39	196	164
D Pollokshaws (Pollok House)	Sir J. Stirling Maxwell, Bt.	5	1 0	50	36·5	37·47	201	149
D Glasgow (Queen's Park)	W. Besant, Esq.	8	0 9	150	36·1	39·91	236	158
D Glasgow (Maxwell Park)	W. Besant, Esq.	5	0 6	69	35·7	36·71	214	155
D Kilbarchan (Milliken Park)	M. Douglas Anderson, Esq.	5	1 0	80	..	43·65	177	161
D Kilbarchan (Glentyan)	R. H. Hunter, Esq.	5	1 1	300	52·6	57·07	228	166

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in or more.
RENFREW—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—CLYDE—Left Bank Tributaries—(*con.*).								
D PAISLEY (Coats Observatory)	Obs. Com. (J. Woodrow) ..	8	1 0	106	40·7	40·87	198	149
D Houston Manse	Rev. George Muir	5	1 0	103	47·7	48·91	209	156
§ Shaws W.W. (Duchal Moor)	J. MacAlister, Esq. C.E.,...	5	1 0	1150	..	84·10	..	..
§ Shaws W.W. (Creuch Hill)	J. MacAlister, Esq., C.E. ..	5	1 0	1350	..	70·70	..	..
Shaws W.W. (Green Water)	J. MacAlister, Esq., C.E....	5	1 0	788	*68·1*	71·90	..	..
D RENFREW (ABBOTSINCH) (+A)	Meteorological Officer.....	8	1 0	19	37·0	40·50	209	149
D Kilmacolm W.W.	James Grier, Esq.	5	1 0	600	69·0	63·22	224	175
D Kilmacolm Village	James Grier, Esq.	5	1 0	300	51·7	58·54	224	166
D Shaws W.W. (Gryfe Reservoir)	J. MacAlister, Esq., C.E....	5	1 0	640	64·0	66·93	223	182
D Shaws W.W. (Mansfield)	J. MacAlister, Esq., C.E....	5	1 0	573	65·2	60·55	223	173
Shaws W.W. (Darndaff Moor)	J. MacAlister, Esq., C.E....	5	1 0	850	64·5	65·10	..	..
3.—FIRTH OF CLYDE. 34 sq. mi.								
W Shaws W.W. (Kelly Dam)	J. MacAlister, Esq., C.E. ..	5	1 0	640	63·6	61·70	..	..
Inverkip (Daff Burn Reservoir)	Alex. Duthie, Esq.	8	1 0	506	58·4	62·57	..	..
W Douglichill Filters (Pt. Glas. W.W.)	James Murray, Esq., C.E...	8	1 6	550	53·4	52·55	..	..
W Parkhill Filters (Pt. Glas. W.W.)	James Murray, Esq., C.E...	8	1 6	275	48·1	48·64	..	..
D§Shaws W.W. (Compens. Res.)	J. MacAlister, Esq., C.E...	5	1 0	600	..	66·43	240	185
D Shaws W.W. (Loch Thom)	J. MacAlister, Esq., C.E....	5	1 0	643	65·4	67·53	243	181
W Shaws W.W. (Shielhill)	J. MacAlister, Esq., C.E....	5	1 0	962	64·2	67·36	..	..
D Shaws W.W. (New Yett's Dam)	J. MacAlister, Esq., C.E....	5	1 0	800	63·2	66·11	231	182
W Shaws W.W. (Spango Burn)	J. MacAlister, Esq., C.E....	5	1 0	757	62·6	66·90	..	..
D Shaws W.W. (Hole Glen)	J. MacAlister, Esq., C.E....	5	1 0	603	61·6	64·68	231	187
D GREENOCK (Prospect Hill) (+A)	J. MacAlister, Esq., C.E. ..	5	1 0	199	61·6	56·43	216	166
D Gourock (Levan Farm)	W. Millar, Esq.	5	1 0	221	..	53·14	229	164
D Gourock (Coves Reservoir)	Alex. Duthie, Esq.	5	1 0	221	53·4	54·51	190	158
4.—IRVINE. 10 sq. mi.								

DIVISION XV—WEST MIDLAND COUNTIES.

DUMBARTON. (Area, 270 sq. mi.)								
1.—FORTH—Right Bank Tributaries. 10 sq. mi.								
2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.								
D CARDROSS (Kilmahew)	Claud A. Allan, Esq.	5	1 0	130	*44·7*	45·39	211	173
D HELENSBURGH (Valve House)	J. N. Stirling, Esq., C.E. ..	8	1 0	293	53·0	52·62	229	174
D Rosneath Castle Gardens	Mr. J. Dawson	5	1 0	80	50·8	50·92	224	169
D Garelochhead (Faslane)	P. J. Macfarlan, Esq.	5	1 3	25	..	59·15	212	181
Garelochhead (Gartnod)	Miss M. J. M. Robertson...	5	1 4	10	..	59·10	..	..
D Garelochhead (Ardarroch Gdns.)	F. A. Bush, Esq.	5	1 0	100	..	69·55	223	181
D Arrochar (Benreoch Tighness)	Mrs. D. Little	5	1 0	50	81·2	82·79	229	189
D Arrochar (Braeside)	J. Lindsay, Esq.	5	1 0	40	77·4	71·88	211	190
3.—CLYDE—Leven. 149 sq. mi.								
D Renton (Carman Filters)	W. Buchanan, Esq.	8	4 0	292	46·8	47·05	203	167
d Loch Lomond Park	W. Besant, Esq.	5	1 0	156	50·2	52·91	..	212
Helensburgh (Blairnairn) No. 1	J. N. Stirling, Esq., C.E. ..	8	1 0	575	..	64·99	..	..
Helensburgh (Blairnairn) No. 2	J. N. Stirling, Esq., C.E. ..	5	1 0	1250	..	65·53	..	..
Helensburgh (Blairnairn) No. 3	J. N. Stirling, Esq., C.E. ..	5	1 0	1580	..	66·33	..	..
M Glen Finlas Reservoir..... No. 1	George Beaton, Esq.	5	1 1	782	*69·1*	71·11	..	..
M Glen Finlas Reservoir..... No. 2	George Beaton, Esq.	5	1 6	1194	*67·0*	66·23	..	..
M Glen Finlas Reservoir..... No. 3	George Beaton, Esq.	5	1 5	1627	*75·2*	64·90	..	..
M Glen Finlas Reservoir..... No. 4	George Beaton, Esq.	5	2 0	2040	*73·6*	71·21	..	..
M Glen Finlas Reservoir..... No. 5	George Beaton, Esq.	5	0 10	1635	*64·6*	66·76	..	..
M Glen Finlas Reservoir..... No. 6	George Beaton, Esq.	5	1 0	1172	*62·8*	65·39	..	..
D Glen Finlas Reservoir..... No. 7	George Beaton, Esq.	5	1 6	810	..	80·09	217	189
4.—CLYDE—Right Bank Tributaries. 59 sq. mi.								
D Drumchapel (Wastdale)	F. C. Thomson, Esq.	5	1 0	49	37·5	39·23	213	144
W Bearsden (Glengarnock)	A. Lithgow, Esq.	8	1 0	132	40·7	43·00	..	..
Bearsden (Torran Môr)	J. Lewis Ferguson, Esq. ...	5	1 0	224	..	36·96	..	..
D Gartshore Gardens	Mr. Hugh Black	5	1 0	261	..	46·80	231	165
D Milngavie (Dougalston)	Mr. J. Hamilton	5	1 0	150	42·3	44·40	200	164
D Duntocher (Cochno Filters)	E. T. Collins, Esq.	5	1 0	400	44·2	45·19	188	165

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DUMBARTON—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—CLYDE—Right Bank Tributaries—(*con.*).								
Kilpatrick Hills (Greenside Res.)	E. T. Collins, Esq.	5	1 0	876	51·8	49·17	..	..
Kilpatrick Hills (Loch Cochno)	E. T. Collins, Esq.	5	1 0	909	52·8	56·89	..	..
Kilpatrick Hills (Jaw Reservoir)	E. T. Collins, Esq.	5	1 0	912	53·9	56·42	..	..
STIRLING. (Area, 463 sq. mi.)								
1.—FORTH—Right Bank Tributaries. 263 sq. mi.								
D Polmont (Vellore)	R. M. W. Brown, Esq.	5	1 0	320	32·0	32·02	182	145
Polmont (Carhowden)	T. B. G. Harvey, Esq.	5	1 0	110	..	31·06	..	..
D Falkirk (Inglewood, Laurieston)	Miss H. S. D. Ballantine	5	1 0	133	34·8	35·04	167	144
D Falkirk (Westbank) *Garden*	A. Nimmo, Esq.	5	1 0	75	36·0	35·00	200	150
D Falkirk (Westbank) *Lawn*	A. Nimmo, Esq.	5	1 0	105	33·6	31·59	199	143
D Falkirk (Arnotdale)	W. Gibson, Esq.	5	1 0	105	33·7	33·61	194	145
Falkirk (Kerse)	Robert Johnston, Esq.	8	1 0	18	31·9	26·60	..	..
Falkirk (Kerse) *new g.*	Robert Johnston, Esq.	5	1 0	18	..	27·10	..	..
D Grangemouth (Burgh Stables)	J. C. Wallace, Esq., C.E.	5	1 0	15	30·9	31·14	197	143
M Little Denny Reservoir	Stirling & Falkirk W.Bd.	8	1 0	326	42·8	41·70	..	..
M Little Denny Filters	Stirling & Falkirk W.Bd.	8	1 0	243	42·4	42·74	..	..
M Kilsyth (Faughlin Res.)	Stirling & Falkirk W.Bd.	8	1 0	707	54·4	55·53	..	..
Kilsyth (Kirkburn)	Stirling & Falkirk W.Bd.	8	1 0	745	..	51·39	..	..
Denny (Buckieburn Reservoir)	Stirling & Falkirk W.Bd.	8	1 0	825	45·3	53·98	..	..
Denny (Buckieburn Filters)	Stirling & Falkirk W.Bd.	8	1 0	760	42·1	39·17?	..	..
Loch Coulter	Stirling & Falkirk W.Bd.	8	1 0	713	..	45·04	..	..
M Earlsburn Reservoir	Stirling & Falkirk W.Bd.	8	1 0	1202	56·8	57·04	..	..
D Stirling (North Third Res.)	J. C. Wallace, Esq., C.E.	8	0 10	574	49·4	45·26	221	159
D Stirling (Touch Res.) No. 3	D. B. Marrs, Esq.	8	1 0	759	49·1	47·87	218	152
D Stirling (Touch Res.) No. 2	D. B. Marrs, Esq.	8	1 0	707	47·9	45·23	217	151
D Stirling (Touch Res.) No. 1	D. B. Marrs, Esq.	8	1 0	455	47·6	47·85	218	150
d Polmaise Castle Gardens	Mr. J. McAndie	5	1 1	220	..	42·54	..	136
W Touch Gardens	Mr. T. Davidson	5	1 0	90	..	45·27	..	..
Endrick Lodge	W. M. Wallace, Esq.	5	1 0	136	..	40·92	..	..
D STIRLING (Sauchie House)	The Town Council (J. Fyfe)	5	1 0	151	35·9	36·55	179	128
D Stirling (Craigforth)	A. J. Couper, Esq.	5	1 0	32	39·2	38·74	253	141
D Gargunnock House	C. Stirling, Esq.	5	1 0	85	41·8	43·34	202	137
D Kippen (Arngomery)	Mr. A. Leitch	5	4 6	150	46·5	42·53	210	146
Meiklewood	J. McNaughton, Esq.	5	1 0	35	..	40·86	..	..
Duchray Valley (Ben Lomond)	J. Cochrane, Esq.	8	0 6	1500	*88·0*	79·55	..	..
Duchray Valley (Glen Dhu)	J. Cochrane, Esq.	8	1 0	500	81·8	79·30	..	..
Duchray Valley (Comer)	J. Cochrane, Esq.	8	1 0	600	86·5	82·60	..	..
Duchray Valley (Achaidh Burn)	J. Cochrane, Esq.	8	1 0	1200	94·4	93·25	..	..
Duchray Val. (Hd. of Main Stream)	J. Cochrane, Esq.	8	1 0	950	88·8	85·65	..	..
2.—FORTH—Teith. 5 sq. mi.								
d Stronachlachar (Invergyle)	J. Cochrane, Esq.	8	1 0	376	83·2	76.10	..	202
3.—FORTH—Left Bank Tributaries. 15 sq. mi.								
D Bridge of Allan (The Lea)	Mr. W. Watt	5	0 8	100	35·4	32·85	211	152
D Bridge of Allan (Langlands)	W. H. Gillespie, Esq.	5	1 0	45	..	35·04	190	136
4.—CLYDE—Leven. 128 sq. mi.								
Kilpatrick H. (Burncrooks Res.)†	E. T. Collins, Esq.	5	1 0	835	*49·5*	52·79	..	..
Strathblane (Blanefield)	J. Cochrane, Esq.	8	1 0	250	50·6	50·65	..	..
d Killearn (Burnbrae)	G. Gray, Esq.	5	1 0	320	..	47·45	(195)	(154)
d Balfron (High School)	E. G. McHutchon, Esq., M.A.	5	1 1	340	..	48·86	(192)	(152)
Loch Arklet (Corriehichon)	J. Cochrane, Esq.	8	0 6	870	82·6	71·60	..	..
Loch Arklet (Corriearklet)	J. Cochrane, Esq.	8	0 6	950	85·2	80·90	..	..
5.—CLYDE—Right Bank Tributaries. 52 sq. mi.								
Strathblane (Mugdock Res.)	J. Cochrane, Esq.	8	0 6	320	46·2	47·20	..	..
D Milngavie (Eastertoun)	Major R. M. Ker	5	1 0	450	46·4	44·62	198	163
d Kilsyth (Queenzieburn)	W. Scott, Esq.	5	1 0	175	..	44·58	..	..
D Kilsyth (Innsbridge)	J. Milne, Esq.	5	4 6	197	47·7	49·28	221	162
D Lennoxtown	W. R. Patterson, Esq.	5	1 0	200	..	54·36	201	170

† Previously published in Stirling 5.

DIVISION XV—WEST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
BUTE. (Area, 218 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ISLE OF BUTE. 50 sq. mi.								
D Rothesay (Dhu Loch W.W.)	A. Stephen, Esq.	5	1 6	280	..	44·26	213	178
D ROTHESAV (Ardencraig)	A. H. Finlay, Esq.	5	1 0	200	49·0	49·75	230	181
D Port Bannatyne (Ettrickdale)	Mrs. Gray Buchanan	5	0 10	160	..	49·23	195	174
2.—CUMBRAES. 4 sq. mi.								
D Millport (St. Andrew's Home)	Dr. J. H. Paul	5	0 9	10	..	47·48	202	171
D Millport (Marine Biog. Stat.)	R. Elmhirst, Esq.	5	1 0	16	..	43·43	206	172
Millport (Water Works)	J. Dymock, Esq.	10	3 6	167	..	34·18	..	..
3—ARRAN. 164 sq. mi.								
Holy Island (Pillar Rock)	Com'rs. of N. Lighthouses..	5	0 11	68	48·6	48·88	201	165
D Dougarie Lodge	David Reside, Esq.	5	1 2	10	46·0	41·62	215	153
ARGYLL. (Area, 3,181 sq. mi.)								
1.—TAY—Tummel. 36 sq. mi.								
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
D Morvern (ARDTORNISH)	A. Cameron for O. H. Smith, Esq.	5	1 0	48	*83·3*	70·20	219	203
D Morvern (Drimnin)	Mrs. Gordon	5	1 0	225	*62·7*	49·73?	199	163
d Loch Sunart (Glenborrodale)	A. M. Fletcher, Esq.	5	1 0	50	69·0	63·32	..	180
D Acharacle (Shielbridge)	A. M. Fletcher, Esq.	8	3 0	51	*68·2*	56·27	225	200
d Loch Shiel (Polloch House)	Forestry Commission	5	1 8	32	*83·5*	76·78	..	184
3.—LOCH LINNHE—Right Bank Tributaries. 139 sq. mi.								
D Morvern (Kingairloch)	Mrs. G. H. Strutt	5	1 0	40	*98·2*	84·55	222	193
Corran Lighthouse	Com'rs. of N. Lighthouses...	5	1 0	13	81·0	70·85	..	179
D Ardgour House	Mrs. Maclean of Ardgour ..	5	0 10	60	*90·4*	84·81	235	203
4.—LOCH LINNHE.—Left Bank Tributaries. 165 sq. mi.								
D Barcaldine	Forestry Commission	5	1 0	50	65·9	59·88	206	190
D Duror (Achara)	W. D. Stewart, Esq.	5	1 2	45	70·7	50·44	200	179
D Glencoe Gardens	Mr. N. Fraser	8	1 0	85	..	70·55	212	189
Glenleven (Blackwater House).4..	British Aluminium Co. Ltd..	8	1 0	1069	80·8	77·99	..	..
D Glenleven (Blackwater Dam,S.) 2(+A)	British Aluminium Co.Ltd.	8	1 0	1072	84·0	83·28	256	194
D Glenleven (Kinlochleven) .....1..	British Aluminium Co. Ltd..	8	1 0	140	86·4	81·01	230	189
5.—LOCH ETIVE. 197 sq. mi.								
6.—LOCH ETIVE—Loch Awe. 319 sq. mi.								
d Taynuilt (Inverawe)	Mr. T. Stewart	5	1 0	70	..	54·85	..	(186)
7.—FIRTH OF LORNE. 112 sq. mi.								
D Kilmelfort (Arduaine)	Mrs. Campbell of Arduaine .	5	0 9	23	*57·6*	55·54	207	194
D Kilmelfort (Ardmaddy C.) ..	Rt. Hon. The Earl of Breadalbane	5	1 0	70	..	60·94	206	185
w Oban (Gleann-a-Bhearraidh Res.) .	D. Galloway, Esq.	8	1 6	400	*57·5*	54·94	..	..
D OBAN	D. Galloway, Esq.	8	1 0	229	..	48·08	216	167
8.—SOUND OF JURA. 163 sq. mi.								
D Lochgilphead (Poltalloch)	Mr. D. S. Melville	5	1 6	135	52·7	59·40	210	191
9.—KINTYRE, WEST. 146 sq. mi.								
Mull of Kintyre	Com'r. of N. Lighthouses...	5	1 0	270	40·9	38·04	185	175
D Largie Castle	Mrs. Moreton Macdonald...	5	1 1	160	*48·4*	50·31	222	183
10.—KINTYRE, EAST. 177 sq. mi.								
Campbeltown (South Park)	J. A. Gardiner, Esq.	8	0 8	20	*50·6*	52·41	223	191
D Carradale (Torrisdale Castle)	Major W. Macalister Hall...	5	1 0	84	*62·6*	62·51	226	196
Carradale (Saddell Manse)	Rev. J. A. Argyll Baker....	5	1 5	25	..	59·13	..	..
D Skipness Castle	R. F. Graham, Esq.	5	1 2	14	..	47·26	226	181
11.—LOCH FYNE. 264 sq. mi.								
D Ardlamont (Kilbride)	J. W. Turnbull, Esq.	5	1 0	110	*49·0*	45·71	187	159
D Ardrishaig (Canal Office)	E. A. Bly, Esq., C.E.	5	1 0	48	*67·9*	66·91	210	201
d Loch Fyne (Castle Lachlan)	The Maclachlan of Maclachlan	5	1 6	25	..	73·26	..	189
D Crarae Lodge	Capt. G. I. Campbell.	5	1 0	20	*68·2*	68·82	211	190
D Strachur Park	Lady G. Campbell.	5	1 8	25	*66·7*	71·65	224	205
D Brenchoillie	A. R. Page, Esq.	5	1 0	240	..	67·38	207	188
D Inveraray Castle Gardens	A. R. Page, Esq.	5	1 0	40	77·2	85·26	225	187
d Ardkinglas	J. R. Taylor, Esq.	8	1 6	37	*70·8*	66·50	(217)	(189)

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936: Rainfall.	1936: Days with ·01 in. or more.	1936: Days with ·04 in. or more.
ARGYLL—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
12.—FIRTH OF CLYDE & COWAL. 242 sq. mi.								
D Toward (Knockdow Gardens)	Sir Norman Lamont, Bt.	5	1 6	101	*59·7*	57·24	223	188
D Toward (Inverchaolain)	Sir Norman Lamont, Bt.	5	1 0	..	*67·9*	67·68	228	185
D Dunoon	W. Rodger, Esq., C.E.	5	1 0	132	..	63·46	222	176
D Ardnadam (Hafton Ho.)	A. P. N. Aitken, Esq.	5	1 0	85	*76·5*	69·17	200	169
D Dunoon (Ben More Forest Sch.)	Forestry Commission	5	1 0	46	..	81·14	240	192
D Loch Eck (Ben More)	H. G. Younger, Esq.	5	1 3	40	*86·6*	82·58	236	193
D Strachur (Glenbranter)	Forestry Commission	5	1 0	188	*88·2*	79·56	196	181
D Lochgoilhead (Ardgoil)	W. Besant, Esq.	5	0 6	20	*86·3*	78·88	220	190
d Lochgoilhead (Nuthill)	Mrs. Henderson	5	1 0	15	*74·8*	65·90	..	..
D Glencroe (Guithas Cottage)	J. M. Reid, Esq.	5	1 2	120	*101·0*	87·12	229	202
13.—CLYDE—Leven. 4 sq. mi.								
14.—INSULAR. 900 sq. mi.								
Sanda Lighthouse	Com'rs. of N. Lighthouses.	5	2 9	134	*36·8*	32·10	164	144
Islay (Rhinns)	Com'rs. of N. Lighthouses.	7	3 6	74	..	34·47	213	163
Islay (Lochindaul)	Com'rs. of N. Lighthouses.	5	0 7	45	44·0	44·24	..	161
Islay (McArthur's Head)	Com'rs. of N. Lighthouses.	5	0 6	173	58·4	50·80	186	171
D Islay (Eallabus)	J. MacKillop, Esq.	5	1 0	68	48·9	46·99	217	184
d Islay (Dunlossit)	Mrs. N. M. Dunlop	5	1 0	100	55·0	53·03	..	175
Islay (Rhuvaal)	Com'rs. of N. Lighthouses.	5	1 0	69	42·0	40·20	190	167
D Jura (Ardfin)	C. G. Campbell, Esq.	5	1 0	160	*53·8*	48·67	233	185
D Jura (Tarbert)	Lord Astor	5	1 0	30	..	51·12	206	170
D Jura (Ardlussa)	W. Hargreaves Brown, Esq.	5	0 9	100	..	51·24	228	181
D Colonsay	Lord Strathcona	5	1 0	87	..	45·47	236	181
d Seil (Easdale)	Col. Hon. A. C. Murray, C.M.G., D.S.O.	5	1 6	30	..	54·90	..	..
Lismore (Mousedale)	Com'rs. of N. Lighthouses.	7	3 10	38	43·7	43·78	178	155
d Mull (Bunessan)	D. Macdonald, Esq.	5	1 0	50	51·6	47·92	..	(145)
D Mull (Auchnacraig)	G. W. Duncan, Esq.	8	1 0	50	..	70·60	179	165
Mull (Ben More)	Meteorological Office	5	2 0	2800	135·8	(115·85)	..	..
D Mull (Ulva)	Mrs. F. W. Clark	5	1 0	30	64·8	54·49	221	186
d Mull (Salen)	J. Cameron, Esq.	5	1 3	50	..	66·02	..	176
D Mull (Gruline)	J. W. Melles, Esq.	8	1 0	100	79·0	70·24	253	194
d Mull (Tobermory)	Col. Bryce Allan	5	0 7	90	..	(58·62)	(211)	(179)
Mull, Sound of	Com'rs. of N. Lighthouses.		..	..	61·5	55·53	191	174
D Tiree	(+A) J. R. Morrison, M.A., B.Sc. (M.O.)	8	1 0	22	44·7	35·84	215	167
D Coll (Breachacha Castle Gdn.)	Br.-Gen. E. M. P. Stewart of Coll	5	1 1	30	..	39·58	199	171
D Coll (Acha Lodge)	Brig.-Gen. E. M. P. Stewart.	5	1 0	95	..	43·28	197	170

DIVISION XVI—EAST MIDLAND COUNTIES.

CLACKMANNAN. (Area 55 sq. mi.)								
1.—FORTH, LOWER—Left Bank Tributaries. 55 sq. mi.								
D Alloa House Gardens	Earl of Mar & Kellie, K.T.	5	3 0	40	33·2	36·16	210	150
D Tillicoultry (Westbourne)	Mrs. Willison	5	1 0	66	34·5	36·81	183	148
M Glendevon (Broich Burn). No. 2.	H. F. Hodge, Esq., C.E.	8	1 0	1333	71·7	64·18	..	..
M§Glendevon (Burnfoot Hill). No. 8.	H. F. Hodge, Esq., C.E.	8	1 0	1721	*49·2*	48·76	..	..
M Glendevon (Backhill). No. 9.	H. F. Hodge, Esq., C.E.	8	1 0	1067	58·3	52·93	..	..
D Glendevon (Backhill)	H. F. Hodge, Esq., C.E.	8	1 0	1067	59·9	55·53	221	172
KINROSS. (Area, 87 sq. mi.)								
1.—FORTH, LOWER—Left Bank Tributaries. 15 sq. mi.								
2.—LEVEN & C. 67 sq. mi.								
D Loch Leven Sluice	Mr. J. Thomson	8	0 9	360	35·8	32·93	163	130
D Loch Leven Sluice	Mr. J. Thomson	5	1 0	360	..	34·89	163	134
D Milnathort (Laurel Bank)	Capt. L. Kininmonth	5	1 0	398	36·3	34·25	172	135
D Earnieside	W. Phillips, Esq.	8	1 0	900	..	42·78	170	144
D Milnathort (Ledlanet)	Sir James C. Calder, K.B.E.	5	1 3	700	47·1	42·31	194	144
D Milnathort (Ochil Hills San.)	The Medical Superintendent	5	1 0	800	47·3	42·79	192	154

§ Gauge over-exposed.

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KINROSS—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—EDEN. 2 sq. mi.								
4.—TAY—Earn. 3 sq. mi.								
FIFE. (Area, 505 sq. mi.)								
1.—FORTH, LOWER—Left Bank Tributaries. 68 sq. mi.								
D DUNFERMLINE	The Carnegie Dunfermline Trust	5	1 0	237	..	28·40	177	136
d Kincardine (Tulliallan)	T. S. Craig, Esq.	5	1 0	90	33·8	32·29	..	..
Carnock (Craigluscar Res.)	D. H. Shaw, Esq., C.E.	12	0 4	480	36·1	38·35	..	..
2.—LEVEN & C. 208 sq. mi.								
d Dunfermline (Fordell House)	Countess of Buckinghamshire	5	1 0	250	32·0	29·77	..	130
d Burntisland (Cullaloe Res.)	J. A. Waddell, Esq.	5	1 0	294	..	27·89	..	136
D KIRKCALDY (Victoria Hosp.)‡	Medical Officer of Health	5	1 0	137	30·0	(27·46)	(178)	(126)
D Cowdenbeath (Sewage Wks.)	C. A. Alexander, Esq.	5	1 0	390	..	33·97	181	134
Cleish Hills (Craiggaveral)	C. A. Alexander, Esq.	5	1 0	760	41·0	37·21	..	..
Cleish Hills (Roscobie Res.)	C. A. Alexander, Esq.	5	1 0	660	39·6	36·14	..	..
D Kirkcaldy (Carberry)	R. Ritchie, Esq.	5	1 0	326	..	25·75	163	127
Cleish Hills (Blairadam)	C. A. Alexander, Esq.	5	1 0	670	35·8	32·07	..	..
Cleish Hills (Lochglow Res..)	C. A. Alexander, Esq.	5	1 0	900	39·3	32·31	..	
D Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	5	1 0	700	36·7	34·72	185	128
D Colinsburgh (Cairnie House)	Maj. R.A. Anstruther, D.S.O.	5	3 6	125	28·8	25·11	184	122
D Colinsburgh (Balcarres)	Mr. W. Adams	5	1 0	300	..	28·98	189	128
D Carnbee (Ovenstone W.W.)	C. Birrell, Esq.	5	1 0	168	25·8	27·57	172	130
3.—EDEN & C. 205 sq. mi.								
D Cupar (Clatto Reservoir)	Jas. M. Alexander, Esq.	5	1 0	505	30·1	35·11	243	142
D Cameron Waterworks	W. Watson, Esq., C.E.	5	1 0	478	29·9	32·30	208	140
D Cupar (Pitlair)	Mr. P. Webster	5	1 0	126	29·5	28·99	175	126
D Cupar (Rankeillour)	Mr. R. Tunstall	5	1 0	240	28·7	29·47	156	128
D CUPAR (The Asylum)	The Medical Superintendent	5	1 0	210	27·7	29·72	181	127
D Kingsbarns	Miss M. R. Nimmo	5	1 0	35	..	25·11	167	112
D Cupar (Over Rankeillour)	H. Giles Walker, Esq.	5	1 0	200	28·7	26·68	186	123
D St. Andrews (Waterworks)	W. Watson, Esq., C.E.	5	1 0	217	27·3	27·24	170	124
D ST. ANDREWS	W. Watson, Esq., C.E.	5	1 0	13	27·1	25·58	176	118
D LEUCHARS (Aerodrome) (+A)	The Meteorological Officer	8	1 0	30	25·7	26·94	173	112
4.—FIRTH OF TAY. 25 sq. mi.								
D Newport (Tayfield)	W. Berry, Esq.	5	0 7	100	28·3	30·50	181	142
D Newport (Seabank)	J. Grant Bruce, Esq.	5	4 6	15	27·5	27·20	168	117
D TAYPORT (Lgtse.)	Dundee H. Trust. (J. H. Thomson, M.Sc.)	5	1 0	27	26·3	28·79	187	130
5.—TAY—Earn. 1 sq. mi.								
6.—INSULAR.								
D INCHKEITH (Lighthouse)	Lightkeeper (M.O.)	8	1 0	190	21·8	22·86	161	117
Isle of May	Com'rs. of N. Lighthouses	5	4 0	180	..	18·68	..	100
PERTH. (Area, 2535 sq. mi.)								
1.—FORTH—Right Bank Tributaries. 17 sq. mi.								
D Gartmore House Gardens	Mr. H. B. Matheson	5	1 0	160	*56·0*	52·81	223	160
d Loch Dhu	J. Cochrane, Esq.	8	0 6	325	79·8	73·40	..	182

‡ Moved from William Street in October, 1936.

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
PERTH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—FORTH, UPPER—Left Bank Tributaries. 84 sq. mi.								
Ledard	J. Cochrane, Esq.	8	0 6	1500	*69·0*	68·28	..	..
3.—FORTH—Teith. 221 sq. mi.								
Ochtertyre (Stirling)	Lt.-Co. J. C. Dundas, D.S.O.	5	1 0	14	..	37·96	..	..
Loch Drunkie	J. Cochrane, Esq.	8	1 0	420	*62·1*	60·95	..	..
D Invertrossachs	Sir James R. Wilson, Bt.	5	1 0	380	*58·7*	54·86	221	177
Ben Venue (Glasahoile)	J. Cochrane, Esq.	8	1 0	1150	*80·4*	72·55	..	..
D Loch Vennachar	J. Cochrane, Esq.	5	1 0	275	55·3	51·96	193	157
D Bridge of Turk	J. Cochrane, Esq.	5	1 0	275	*63·5*	57·13	222	166
Loch Katrine (Tunnel Hill Top)	J. Cochrane, Esq.	8	0 6	830	*81·4*	76·25	..	..
Ben Ledi	J. Cochrane, Esq.	8	1 0	1400	*66·6*	60·40	..	..
Achnahard	J. Cochrane, Esq.	8	1 0	474	*65·5*	61·30	..	..
Callander (Leny House)	Capt. M. Murray Buchanan.	5	1 0	340	*56·3*	48·80	..	..
w Strone Bridge	J. Cochrane, Esq.	8	1 0	380	*72·4*	67·40	..	..
Glen Meann	J. Cochrane, Esq.	8	1 0	800	*77·2*	69·10	..	..
Glen Finlas	J. Cochrane, Esq.	8	1 0	1200	*79·0*	72·60	..	..
d Glengyle	J. Cochrane, Esq.	8	0 6	380	89·9	85·25	..	214
Upper Glengyle	J. Cochrane, Esq.	8	1 0	750	*95·6*	86·00	..	..
Allt a' Choin	J. Cochrane, Esq.	8	1 0	1250	*89·6*	82·85	..	..
w Balquhidder (Blaircreach)	J. M. Fergusson, Esq.	5	1 0	460	*94·7*	88·30	..	..
d Balquhidder (Stronvar)	J. Gault, Esq.	5	1 0	422	74·2	62·37	..	133
4.—FORTH, LOWER—Left Bank Tributaries. 107 sq. mi.								
d Dunblane	W. L. Gibson, Esq.	5	1 0	250	*37·3*	36·36	(198)	(149)
D Glendevon (Glenquey Res.) No. 2.	H. F. Hodge, Esq., C.E.	8	1 0	945	*54·7*	48·11	217	155
D Glendevon (Frandy)	H. F. Hodge, Esq., C.E.	8	1 0	911	*60·4*	54·11	222	162
Glendevon (Glensherup)	D. H. Shaw, Esq., C.E.	12	0 4	945	*59·8*	48·55	..	..
M Glendevon (Bald Hill)....No. 1.	H. F. Hodge, Esq., C.E.	8	1 0	1202	*56·5*	49·28	..	..
M Glendevon (Wether Hill)..No. 10.	H. F. Hodge, Esq., C.E.	8	1 0	1408	*48·8*	41·95	..	..
5.—LEVEN. 1 sq. mi.								
6.—EDEN. 4 sq. mi.								
7.—TAY—Earn. 376 sq. mi.								
D Gleneagles (Lochside)	B. Chinnery-Haldane, Esq..	8	1 0	447	*45·3*	40·52	203	150
d Gleneagles House *new g*	B. Chinnery-Haldane, Esq.	5	1 0	400	..	44·55	..	141
Upper Farg (Plains)	H. F. Hodge, Esq., C.E. ..	8	1 0	900	*35·9*	34·73	..	..
D Upper Farg (Main Bank)	H. F. Hodge, Esq., C.E. ..	5	1 0	642	*31·3*	31·06	199	123
D Dunning (Kippen House)	Lady Wilson	5	1 6	450	*43·1*	42·10	190	144
D Abernethy (Glenfarg House)	Norman I. Nasmyth, Esq...	5	0 10	120	..	33·63	183	140
D Bridge of Earn (Ballendrick)	G. M. Taylor, Esq.	5	1 0	50	*32·6*	32·02	186	130
D Lochearnhead (Ardloch)	S. Moir, Esq.	5	1 0	370	*64·3*	53·18	228	167
D Lochearnhead (Edinchip)	Sir Malcolm MacGregor, Bt..	5	1 0	513	*70·3*	63·71	216	174
d Comrie (Dunira Gardens)	W. Gilchrist Macbeth, Esq...	5	1 6	200	..	(49·65)	..	..
D Crieff (Strathearn Hydro)	G. Reid for Dr. G. Meikle..	5	1 0	478	40·9	36·44	200	134
8.—TAY—Almond & c. 149 sq. mi.								
d Perth (Wellshill Cemetery)	The Town Council (J. Ritchie)	5	1 0	76	30·8	29·96	..	139
D Glen Almond (Auchnafree)	Lt.-Col. J. A. C. Whitaker ..	5	1 0	1015	*62·0*	62·49	176	145
9.—TAY—Strathtay below Dunkeld. 33 sq. mi.								
D Murthly (Douglasfield)	W. A. Rae, Esq.	5	1 0	237	*34·9*	32·26	161	119
D Dunkeld (Snaigow)	W. H. Cox, Esq.	5	1 0	370	*35·0*	33·82	187	129
D Dunkeld (Kincairney Lodge)	Mrs. Richmond	8	1 0	400	..	32·35	191	134

DIVISION XVI—EAST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
PERTH—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
10.—TAY—Bran. 81 sq. mi.								
D Strath Bran (Glenquaich Lodge)	W. H. Cox, Esq.	5	1 0	900	*55·0*	42·43	190	154
11.—TAY—Strathtay above Dunkeld. 95 sq. mi.								
D Aberfeldy (Am Bothan)	A. Macpherson, Esq.	5	1 0	350	..	34·30	202	124
D Aberfeldy (Dall Avon)	Dr. N. D. Mackay	5	1 0	320	*38·7*	34·92	195	122
D Aberfeldy (Grandtully Cas. Gns.)	Mr. J. Collie	5	0 11	383	..	33·92	182	137
D Grandtully	A. R. Macnaughton, Esq.	5	1 0	233	*36·1*	29·70	167	117
12.—TAY—Loch Tay. 241 sq. mi.								
D Tyndrum Manse	Rev. Farquhar MacRae	5	1 0	750	..	79·36	231	191
D Killin (Kinnell Gardens)†	Mr. A. McCormick	5	1 0	380	*56·8*	52·21	185	149
13.—TAY—Lyon. 142 sq. mi.								
d Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bt.	5	1 0	700	*61·0*	56·12	..	147
w Fortingall (Glenlyon House)	Mr. J. W. Ford	5	1 0	425	*45·5*	43·99	..	..
14.—TAY—Tummel. 587 sq. mi.								
D Loch Rannoch (Dall)	Mr. D. Robertson, Jun.	5	1 0	722	43·2	40·26	215	151
D Loch Rannoch (Station)	Messrs. Balfour Beatty & Co.	5	1 0	1007	62·5	56·39	190	166
D Loch Rannoch (Power House)	Messrs. Balfour Beatty & Co.	5	1 0	675	43·6	40·45	195	149
D Pitlochry (Bonskeid)	Dr. G. F. Barbour	5	1 0	540	33·0	32·34	184	132
D Fincastle House	Dr. G. F. Barbour	5	1 0	980	33·9	27·82?	164	91
D Ericht Dam	Messrs. Balfour Beatty & Co.	5	1 0	1196	52·0	50·37	230	175
w Dalnaspidal (Duinish)	Messrs. Balfour Beatty & Co.	5	1 0	1500	..	45·16	..	..
D Struan (Auchleeks)	Miss Robertson	5	1 0	710	43·9	41·77	154	144
D Blair Atholl (Blair Castle Gdns.)	Mr. J. Dickson	5	1 0	500	33·6	31·80	213	130
w Monaidh (Coirevakie)	Messrs. Balfour Beatty & Co.	5	1 0	2200	..	60·86	..	..
w Dalnaspidal (Luidhearnaidh)	Messrs. Balfour Beatty & Co.	5	1 0	1700	..	62·70	..	..
15.—TAY—Isla. 282 sq. mi.								
d Blairgowrie (Kinloch Manse)	Rev. T. Milne	5	1 0	280	*29·6*	26·26	(164)	(113)
D Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1 0	350	*36·7*	39·40	175	138
D Kirkmichael (Ballintuim Ho.)	Miss M. A. Macdonald	5	1 4	700	*37·8*	37·34	218	140
d Kirkmichael (School)	Miss C. MacGregor	5	1 0	700	..	35·89	..	..
16.—TAY—Left Bank Tributaries. 51 sq. mi.								
Pitfour Castle	Miss D. Cairns	..	..	..	*29·0*	28·11	156	123
D Kinfauns (Balthayock)	R. Wylie Hill, Esq.	5	4 6	323	*32·0*	30·42	189	121
17.—FIRTH OF TAY. 45 sq. mi.								
Errol (Annat Cottage)	W. Kimm, Esq.	5	4 0	200	*27·5*	28·44	..	..
18.—SPEY—Right Bank Tributaries. 1 sq. mi.								
19.—LOCH LINNHE.—Left Bank Tributaries. 2 sq. mi.								
20.—CLYDE—Leven. 36 sq. mi.								

† Station formerly called Auchmore Gardens.

DIVISION XVI—EAST MIDLAND COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
ANGUS (Area, 875 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—TAY—Isla. 211 sq. mi.								
D KETTINS School	W. B. Ogilvie, Esq.,	5	1 0	218	32·0	27·91	179	102
d Newtyle	C. W. Wheeler, Esq.	5	1 0	295	..	28·29	..	..
D Glamis Castle	Mr. D. McInnes	5	0 7	250	30·9	32·13	170	125
D Forfar (Yeaman Street)	W. P. Welsh, Esq.	5	1 6	226	..	29·72	174	129
D Kirriemuir (Lintrathen)....(+A)	G. Baxter, Esq., C.E.	8	1 0	700	34·7	32·23	184	124
M Kirriemuir (Balnakeilly)	G. Baxter, Esq., C.E.	5	1 0	700	34·1	35·50	..	..
M Kirriemuir (Dykends)	G. Baxter, Esq., C.E.	5	1 0	750	..	35·26	..	..
M Kirriemuir (Creich Hill, N.)	G. Baxter, Esq., C.E.	5	1 0	1491	40·5	37·24	..	..
M Kirriemuir (Backwater)	G. Baxter, Esq., C.E.	5	1 0	850	..	39·30	..	..
M Kirriemuir (Westerton)	G. Baxter, Esq., C.E.	5	1 0	900	..	39·80	..	..
M Kirriemuir (Macritch)	G. Baxter, Esq., C.E.	5	1 0	1300	..	37·93	..	..
M Kirriemuir (Newton)	G. Baxter, Esq., C.E.	5	1 0	735	..	36·80	..	..
M Kirriemuir (Longdrum)	G. Baxter, Esq., C.E.	5	1 0	1045	39·3	40·49	..	..
M Kirriemuir (Glendye)	G. Baxter, Esq., C.E.	6	1 0	1050	..	43·76	..	..
M Kirriemuir (Barney)	G. Baxter, Esq., C.E.	5	1 0	1130	40·2	40·23	..	..
M Kirriemuir (Glenhead)	G. Baxter, Esq., C.E.	5	1 0	1340	..	40·40	..	..
M Kirriemuir (Dalvanie)	G. Baxter, Esq., C.E.	5	1 0	1020	..	41·70	..	..
M Kirriemuir (Glen Damff)	G. Baxter, Esq., C.E.	5	1 0	1360	..	42·54	..	..
2.—FIRTH OF TAY. 80 sq. mi.								
D CARNOUSTIE (BUDDON NESS LT.)	Dundee Harbour Trust (J. H. Thomson, M.Sc.)	5	0 9	10	26·4	24·77	182	124
D DUNDEE HARBOUR	Dundee H. Trust (J. H. Thomson, M.Sc.)	5	0 11	14	27·4	27·98	159	110
D Dundee (Stobsmuir Res.)	G. Baxter, Esq., C.E.	5	1 0	278	..	28·56	145	120
d Dundee (Camperdown Works)	Messrs. Cox Bros., Ltd.	5	1 0	300	26·8	30·34	..	..
D Balruddery	H. S. Sharp, Esq.	5	1 0	266	29·8	30·13	151	121
D DUNDEE (MAYFIELD)	The Director of Studies	8	1 0	147	26·2	28·59	177	122
D Monifieth (Mains of Ardestie)	F. D. Booth, Esq.	5	1 0	100	..	24·97	153	110
3.—SOUTH ESK & C. 371 sq. mi.								
D CARNOUSTIE	Burgh Surveyor	8	1 0	39	27·2	23·97	169	120
D Monikie Reservoir	G. Baxter, Esq., C.E.	5	1 0	494	34·7	30·72	185	130
D Monikie (Crombie Reservoir)	G. Baxter, Esq., C.E.	5	1 0	528	35·2	33·18	199	134
M Monikie (Fallaws)	G. Baxter, Esq., C.E.	8	3 0	585	33·2	32·10	..	..
D Arbroath (Hill Terrace)	J. C. Dewar, Esq.	5	1 0	50	..	25·17	180	114
D ARBROATH (W. Cemetery)	The Town Council (J. W. Robertson)	5	1 0	93	25·6	23·96	147	109
w Arbroath (Muirheads Res.)	T. A. Hogg, Esq.	5	1 0	251	28·1	25·51	..	..
Forfar (Pitscandly House)	J. T. Ewen, Esq.	5	1 8	300	..	30·04	..	..
D MONTROSE	D. Maxwell, Esq.	5	1 0	16	..	22·31	159	106
D Montrose (West End Park)	D. Maxwell, Esq.	5	1 0	19	..	24·84	161	122
D Brechin (Argyll Street)	J. Hutton, Esq.	5	1 0	225	34·1	30·30	167	115
D Forfar W. W. (Den of Ogil)	Alex. C. Miller, Esq.	12×4	3 1	633	..	33·52	174	123
D Glenogil Waterworks	T. A. Hogg, Esq.	5	1 0	770	40·9	34·60	180	130
D Glen Prosen (Pearsie House)	G. M. Wedderburn, Esq.	5	1 0	600	39·1	32·08	151	118
M Glen Prosen (Cormuir)	G. Baxter, Esq., C.E.	5	1 0	870	..	42·90	..	..
D Glen Prosen (Balnaboth Gdns.)	C. A. O. McLean, Esq.	5	1 0	1000	..	32·25	147	124
4.—NORTH ESK & C. 213 sq. mi.								
D MONTROSE (SUNNYSIDE ASYLUM)	The Medical Superintendent	5	1 0	200	27·0	23·77	157	115
Brechin (Stracathro Gardens)	Mr. A. Dunlop	5	2 0	200	30·5	26·44	..	..

DIVISION XVII—NORTH-EASTERN COUNTIES.

KINCARDINE. (Area, 382 sq. mi.)								
1.—NORTH ESK & C. 99 sq. mi.								
D Laurencekirk (Johnston Lodge)	R. B. Pearson, Esq.	5	1 0	400	33·1	30.78	183	124
D Fettercairn (Fasque)	Sir J. E. Gladstone, Bt.	5	0 10	320	36·0	33·56	194	127
D Fordoun (Auchenblae)	D. N. Collie, Esq.	5	1 0	325	..	28·62	187	128
2.—BERVIE, COWIE & C. 139 sq. mi.								
Todhead Pt. Lighthouse	Com'rs. of N. Lighthouses	5	1 9	114	..	22.24	167	128
D Stonehaven	The Town Council	5	1 0	125	..	25·27	183	125
D Stonehaven (Mains of Cowie)	John Hart, Esq.	5	1 1	100	..	22·79	147	108

DIVISION XVII—NORTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Day with ·04 in. or more.
KINCARDINE—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—DEE. 144 sq. mi.								
D Strachan (Bridge of Dye)	J. Mann, Esq.	5	1 0	513	43·9	38·50	218	144
D Banchory (Invery)	Major Jas. Kerr	5	1 0	225	34·8	31·64	180	134
D Banchory (Woodlands Sch.)	D. B. McKelvie, Esq.	5	1 0	300	..	31·39	170	127
D Banchory (Invercannie)	T. F. Henderson, Esq., C.E.	5	0 9	208	31·9	28·99	209	132
ABERDEEN. (Area, 1,974 sq. mi.)								
1.—DEE. 672 sq. mi.								
M Glen Muick	T. F. Henderson, Esq., C.E.	5	1 0	1370	45·1	39·23	..	..
D Glen Muick (Inchnabobart)	T. F. Henderson, Esq., C.E.	5	1 0	1270	..	36·95	200	156
d Aitnach†	T. F. Henderson, Esq., C.E.	5	1 0	1260	41·9	38·83	..	..
D Braemar (Bank)	J. Campbell, Esq.	5	1 0	1111	35·4	29·75	189	142
D Braemar (Derry Lodge)	T. F. Henderson, Esq., C.E.	5	1 0	1400	38·1	32·58	193	138
Glen Tanar (Mansion House)‡	Lord Glentanar	5	1 0	553	..	35·83	215	138
D Balmoral Castle Gardens (+A)	R. F. Chalmers, Esq.	5	1 0	927	33·0	28·33	195	138
D Abergeldie Castle Gardens	Mr. Wolseley Collie	5	1 0	800	32·4	27·34	179	136
D Ballater (Irrigation Farm)	T. F. Henderson, Esq., C.E.	5	1 0	637	33·2	29·22	178	129
M Beinn Bhreac	T. F. Henderson, Esq., C.E.	5	1 0	2700	47·1	39·60	..	..
D Aboyne	T. F. Henderson, Esq., C.E.	5	1 0	412	31·0	30·09	198	132
D Dess House	W. R. Davidson, Esq.	5	1 8	480	31·2	30·41	186	144
D Glen Gairn (Gairn Shiel Lodge)	T. F. Henderson, Esq., C.E.	5	1 0	1100	34·4	30·29	185	140
D Glen Gairn (Corndavon)	T. F. Henderson, Esq., C.E.	5	1 0	1500	37·3	29·85	193	143
D Torphins (School House)	Dr. George Davidson	5	1 4	480	..	27·77	180	120
M Lumphanan	T. F. Henderson, Esq., C.E.	5	1 0	490	31·6	29·89	..	..
D Drumoak (Drum Castle)	Mrs. Irvine	5	1 0	320	30·9	29·27	180	127
d Logie Coldstone School	Duncan Paterson, Esq., M.A., B.Sc.	5	1 0	608	30·9	(26·01)	..	..
D Aberdeen (Mannofield Res.)	T. F. Henderson, Esq., C.E.	5	1 0	171	30·5	27·36	220	131
D Craigiebuckler	Macaulay Institute for Soil Research	5	1 0	220	..	28·61	181	136
2.—DON. 512 sq. mi.								
D Aberdeen Observatory (+A)	Assistant-in-Charge	8	1 0	79	29·5	23·90	178	122
D Strathdon (Tornashean)	Mr. J. Duncan	5	3 0	1020	..	28·98	198	145
d Strathdon (Estates Office)	D. D. Laurie, Esq.	5	1 2	990	35·0	27·89	..	..
D Craibstone (Sth. Meethill Field)	Prof. J. Hendrick	5	1 0	275	33·6	28·11	184	130
D Dyce (Craibstone) (+A)	Abr. & N. of S. Coll. of Ag.	8	1 0	300	31·5	27·73	182	123
3.—YTHAN & C. 285 sq. mi.								
D Ellon (Esslemont House)	Capt. R. Wolrige Gordon, M.C.	5	1 6	100	29·8	28·28	207	140
D Ellon (Auchmacoy)	Earl of Caithness	5	1 0	150	..	26·20	181	136
D Haddo House	The Marquis of Aberdeen	5	1 0	186	31·5	27·28	215	142
D Fyvie Castle	Col. Sir C. R. Forbes-Leith, Bt.	5	1 0	200	33·9	28·66	203	163
4.—UGIE & C. 257 sq. mi.								
New Deer School House	J. A. Thomson, Esq.	5	1 0	397	32·3	25·78	..	..
D Peterhead (Stockbridge)	J. Robertson, Esq.	5	1 0	150	28·5	24·45	201	129
D Peterhead (Mains of Buthlaw)	W. Johnston, Esq.	5	1 6	120	30·3	23·74	188	131
D Peterhead (Forehill Works)	J. Dickie, Esq., C.E.	5	0 8	133	30·3	25·49	183	128
Kinnaird Head	Com'rs. of N. Lighthouses	5	1 0	62	23·5	23·36	147	128
5.—DEVERON & C. 248 sq. mi.								
Huntly (Union Bank Ho.)	F. G. Allordice, Esq.	5	1 0	500	..	27·95	..	..
D Huntly (Cruchie)	Miss C. Joss	5	1 0	400	31·7	27·32	214	142

† Station formerly called Glen Tanner (Aitnach). ‡ Station formerly called Aboyne (Glentanar Ho.)

DIVISION XVII—NORTH-EASTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
BANFF. (Area, 630 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—YTHAN. 1 sq. mi.								
2.—DEVERON & C. 344 sq. mi.								
D Drummuir Castle	G. Clinton Chessor, Esq.	5	1 10	620	36·4	30·47	193	156
W Milltown (Rothiemay Castle)	Lt.-Col. Ian Forbes, D.S.O.	5	0 8	290	..	29·15	..	..
D Turriff (Forglen Gardens)	Mr. G. Stuart	5	1 0	220	31·9	26·96	174	140
D Gamrie (Clenterty P. School)	T. H. Smith, Esq.	5	1 0	420	40·1	28·84	183	137
D BANFF	Town Council (I. H. Gordon)	5	0 9	130	26·8	22·13	182	138
Buckie (Rochonnie)	W. Hendry, Esq.	5	1 4	324	27·0	24·32	..	..
Buckie (West Church Street)	W. Hendry, Esq.	5	1 4	75	26·2	22·90	..	..
3.—SPEY—Right Bank Tributaries. 285 sq. mi.								
D Ballindalloch	C. Mackenzie, Esq.	8	1 0	630	33·0	33·52	209	162
D Aberlour Orphanage	J. G. White, Esq.	5	1 0	350	32·7	27·65	170	142
MORAY. (Area, 477 sq. mi.)								
1.—DEVERON & C. 7 sq. mi.								
2.—SPEY—Right Bank Tributaries. 35 sq. mi.								
D Fochabers (GORDON CASTLE)	C. Webster for the Duke of Richmond & Gordon, K.G.	5	1 0	104	29·8	23·38	183	131
3.—SPEY—Left Bank Tributaries. 133 sq. mi.								
d Grantown-on-Spey	W. Currie, Esq.	5	1 0	700	31·1	25·98	..	..
D Aberlour (Wester Elchies)	Mr. W. McGregor	5	1 0	550	34·2	26·40	169	129
4.—LOSSIE & C. 154 sq. mi.								
D Kellas (Kellas House)	G. Christie, Esq.	5	0 8	446	..	29·94	189	153
D Lhanbryde (Blackhills House)	T. N. Christie, Esq.	5	3 6	310	29·2	28·24	194	158
D Elgin (Kirkhill)	P. J. Macdonald, Esq.	5	1 7	35	..	22·79	168	129
d Elgin (The Bield)	Mrs. Harrison	5	1 4	120	..	23·63	..	..
M Elgin (Rotha)	Miss M. E. Young	5	1 0	80	25·8	23·58	..	..
D Elgin (Whinnyknowe)	Sir Edward Wallace	5	1 0	100	..	23·15	195	131
D Elgin (Gordonstoun Sch.)	K. A. Campbell, Esq.	5	1 0	37	..	25·18	194	136
d Duffus (Hopeman Lodge)	Mrs. Gordon Duff.	8	0 6	65	..	22·07	..	112
D Lossiemouth (Moray Golf Club)	The Secretary	5	1 0	53	..	21·50	160	118
5.—FINDHORN & C. 148 sq. mi.								
D Forres (Drumduan)	The MacKinnon of MacKinnon	5	3 0	120	..	24·47	163	129
D Forres (Drumduan Gdns.)	Mr. G. Dyker	8	5 0	50	..	24·81	166	127
D FORRES (Hydro)	The Town Clerk	5	1 0	155	..	23·61	172	120
NAIRN. (Area, 163 sq. mi.)								
1.—FINDHORN & C. 102 sq. mi.								
D Drynachan Lodge	John Myles, Esq.	5	0 4	755	..	43·50	218	167
d Ardclach (Glenferness)	Mr. J. May	8	1 0	700	34·8	37·75	..	(137)
D Lethen	Col.Hon.I.M.Campbell, D.S.O.	5	1 6	300	..	26·06	172	129
2.—NAIRN & C. 61 sq. mi.								
D Cawdor (Auchindoune)	Col. The Hon. I. M. Campbell	5	1 0	425	..	32·03	182	136
D Cawdor Castle	Mr. James Taylor	5	0 9	225	29·2	31·98	207	149
D Nairn (Balblair)	Major H. C. H. Allanby	5	1 0	94	24·5	23·98	181	125
Nairn (Urchany Res.)	The Town Council	5	1 0	291	..	26·50	..	..
D Nairn (Achareidh)	Major K. S. Clarke	8	1 0	59	24·3	23·21	204	120
D NAIRN (Golf Course)	The Town Clerk	8	1 0	20	24·9	23·17	197	121

DIVISION XVIII—NORTH-WESTERN COUNTIES.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
INVERNESS. (Area, 4,146 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—TAY—Tummel. 28 sq. mi.								
D Loch Ericht (Ben Alder Lodge)	Mr. F. Mackintosh	5	1 0	1175	52·5	41·94	192	158
2.—SPEY—Right Bank Tributaries. 437 sq. mi.								
D Dalwhinnie	J. Phillips, Esq., (M.O.)	8	1 0	1176	46·7	42·22	205	159
D Aultmore (Nethy Bridge)	T. Muir, Esq.	5	1 0	800	..	27·92	208	150
3.—SPEY—Left Bank Tributaries. 257 sq. mi.								
D Cluny Castle	Mr. A. Macdonald	5	1 0	816	39·9	38·06	216	165
D Glenshero	British Aluminium Co., Ltd.	8	1 0	880	..	42·14	222	180
M Loch Spey	British Aluminium Co., Ltd.	5	1 0	1164	67·5	50·49	..	..
Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	8	1 0	1135	..	46·63	..	..
D Laggan (Gergask)	British Aluminium Co., Ltd.	8	1 0	870	*38·4*	33·28	200	156
D Kingussie (The Birches)	British Aluminium Co., Ltd.	8	1 0	810	31·5	32·50	203	144
D Carr Bridge (Crannich)	Mrs. J. A. Doak	5	1 0	900	29·6	30·22	189	139
4.—FINDHORN. 164 sq. mi.								
D Tomatin (Dalmigavie Lodge)	Mr. A. Kennedy	5	1 2	1150	..	33·86	209	173
5.—NAIRN & C. 131 sq. mi.								
W Loch Duntelchaig	Mr. M. McPhee	8	1 0	702	..	45·50?	..	..
6.—NESS—Right Bank Tributaries. 252 sq. mi.								
D Fort Augustus (Ardachie)	A. T. Bruen, Esq.	5	0 3	100	..	39·81	211	169
Fort Augustus (Auchterawe)	Forestry Commission	5	0 6	136	..	41·47	..	..
d Loch Ness (Foyers, Stronelairg)‡	British Aluminium Co., Ltd.	8	1 0	1250	*47·9*	(48·60)	(229)	(193)
D Loch Ness (Garthbeg)	British Aluminium Co., Ltd.	8	1 0	630	*41·5*	37·38	233	173
D Loch Ness (Foyers)	British Aluminium Co., Ltd.	8	1 0	52	38·2	34·75	202	141
D Loch Ness (Aberchalder)	British Aluminium Co., Ltd.	8	1 0	700	*35·8*	37·04	230	160
D Inverness (Culduthel Res.)	Mr. M. McPhee	5	1 0	242	27·6	27·48	172	127
7.—NESS—Garry & c. 185 sq. mi.								
M Loch Quoich (Loan)	Col. D. W. Cameron of Lochiel	5	1 0	750	146·1	93·41	..	..
d Loch Quoich (Kinlochquoich)	Col. D. W. Cameron of Lochiel	5	1 0	560	119·3	93·01	..	135
D Loch Quoich (Glenquoich)	J. MacDonald, Esq.*	5	1 2	569	110·7	84·20	222	208
8.—NESS—Moriston. 120 sq. mi.								
D Glenmoriston (Ceannacroc)	J. Grant, Esq.	5	1 0	450	66·7	54·67	207	162
d Glenmoriston (Invermoriston Hotel)	P. J. Kydd, Esq.	5	1 0	70	47·5	32·49?	..	..
9.—NESS—Enrick. 131 sq. mi.								
d Glen Urquhart (Corrimony)	Col. John Haig, D.S.O.	5	1 0	520	..	36·63	..	172
D Inverness (Ruigh Ard Asylum)	The Medical Supt.	5	0 11	330	*29·9*	33·70	209	151
10.—BEAULY. 341 sq. mi.								
11.—CROMARTY FIRTH. 13 sq. mi.								
12.—SOUND OF SLEAT. 259 sq. mi.								
D Loch Nevis (Inverie Gardens)	Mr. H. Milne	5	1 0	15	*85·6*	64·81	238	201
13.—SOUND OF ARISAIG. 126 sq. mi.								
D Moidart (Kinlochmoidart)	Col. R. N. Stewart	5	1 0	13	*69·4*	66·13	212	196
D Arisaig House	Mr. W. Grant	5	1 0	40	*62·9*	52·35	220	190
14.—LOCH LINNHE—Right Bank Tributaries. 48 sq. mi.								
D Loch Eil (Achdalieu)	Col. D. W. Cameron of Lochiel	5	1 0	100	61·8	57·23	225	192

* *Per* Capt. W. N. McClean. ‡ Gauge moved 1⅛ miles S.S.E., from Killin, Whitebridge, in June, 1936.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*con.*).

	STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Aver-age Rain-fall.	1936. Rain-fall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
	INVERNESS—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	15.—LOCHY—Right Bank Tributaries. 143 sq. mi.								
D	Loch Arkaig (Achnacarry)	Col. D. W. Cameron of Lochiel	5	1 0	128	82·0	60·79	229	180
d	Loch Arkaig (Glendessary)	Col. D. W. Cameron of Lochiel	5	1 6	300	106·6	84·74	..	194
	16.—LOCHY—Left Bank Tributaries. 362 sq. mi.								
D	Clunes (L. Lochy W.)	Col. D. W. Cameron of Lochiel	5	1 6	110	..	60·58	218	183
	Loch Treig (Creaguaineach)	British Aluminium Co.,Ltd..	5	1 0	825	74·0	64·48	..	..
	Loch Ossian (Strathossian Ho.)	British Aluminium Co.,Ltd..	8	1 0	1180	70·2	63·45	..	..
	Fort William (Allt'a Mhuilinn)	British Aluminium Co.,Ltd..	8	1 0	1000	85·1	69·92	..	..
D	Fort William (The Factory)	British Aluminium Co.,Ltd..	8	1 0	75	69·6	63·38	238	196
	Roybridge (Lairig Road)	British Aluminium Co.,Ltd..	8	1 0	1650	91·2	70·92	..	..
	Spean Bridge (The Cour)	British Aluminium Co.,Ltd..	5	1 0	1050	92·5	80·44	..	..
	Sgurr Finisgaig	British Aluminium Co.,Ltd..	5	1 0	1850	91·6	80·27	..	..
D	Loch Treig (Fersit)	British Aluminium Co.,Ltd..	8	1 0	850	62·9	57·13	252	212
	Tulloch (Allt Laire)	British Aluminium Co.,Ltd..	5	1 0	1050	..	54·08	..	..
	Roybridge (Allt Leachdach)	British Aluminium Co.,Ltd..	8	1 0	650	..	57·20	..	..
	Loch Pattack	Sir J. F. Ramsden, Bt.	5	0 9	1420	59·6	58·12	..	..
	Glen Spean (Craigbeg)	British Aluminium Co.,Ltd..	8	1 0	860	54·9	49·61	..	..
W	Loch Lochy (Invergloy)	Mr. J. Clark for Miss J. Allan	5	1 0	200	58·9	60·61	..	..
D	Loch Laggan (Ardverikie)	Sir J. F. Ramsden, Bt.	5	0 6	838	54·0	48·05	238	166
	17.—LOCH LINNHE—Left Bank Tributaries. 120 sq. mi.								
D	North Ballachulish (Alltshellach)	B. Chinnery-Haldane, Esq..	5	1 0	80	74·3	57·83	216	193
D	Onich	Forestry Commission	5	1 3	48	72·8	62·95	226	198
D	Glenleven (Blackwater Dam, N) 7.	British Aluminium Co.,Ltd..	8	1 0	1072	85·5	86·06	259	201
	Kinlochleven (Mamore Lodge)	Mr. Ian Currie	5	1 8	700	95·1	86·25	..	..
	Glenleven (Invercam) No. 6.	British Aluminium Co.,Ltd..	8	1 6	1070	74·8	58·78	..	..
	Glenleven (Loch Eilde Mhor) 8.	British Aluminium Co.,Ltd..	8	1 6	1130	94·9	86·14	..	..
	Glenleven (Corrour) No. 5.	British Aluminium Co.,Ltd..	8	1 6	1260	70·1	58·70	..	..
D	Fort William (Teviot)	J. W. Ainslie, Esq.	8	1 0	34	77·4	64·65	224	180
D	Fort William (Glasdrum)	British Aluminium Co.,Ltd..	5	1 0	216	..	66·58	224	185
	18.—INSULAR, INNER HEBRIDES. 786 sq. mi.								
D	Isle of Eigg	Rt. Hon. Walter Runciman, P.C.	8	2 8	150	*53·5*	54·82	211	187
D	Skye (Kyleakin, Dunringell)	Maj. A. D. Mackinnon, C.M.G.	5	2 1	80	*62·4*	51·57	238	190
	Oronsay Lighthouse	Com'rs. of N. Lighthouses..	5	0 6	10	*52·7*	45·32	237	175
D	Skye (Scalpay Island)	Mr. D. Gunn	5	1 0	4	*75·1*	65·50	217	181
D	Skye (Portree)	D. Dewar, Esq.	5	1 0	65	*61·7*	53·39	238	196
	Skye (North Eist Point)	Com'rs. of N. Lighthouses ..	5	0 8	65	..	44·06	206	174
D	Skye (Dunvegan)	Mrs. Mackenzie	5	3 0	47	*65·8*	48·47	207	187
D	Skye (Duntuilm, Kilmuir)	Seton Gordon, Esq	5	1 0	294	..	40·51	223	191
	19—INSULAR, OUTER HEBRIDES. 243 sq. mi.								
D	Barra (Skallary)	J. Smith. Esq.	8	0 10	30	..	36·95	237	191
d	Barra (Craigston)	J. Reilly, Esq.	5	1 0	22	..	40·45	..	..
	S. Uist (Ushenish Light)	Com'rs. of N. Lighthouses .	5	1 0	178	..	40·02	189	176
d	Lochmaddy (Vallay)	G. Beveridge, Esq.	5	1 0	30	..	(39·04)	..	..
D	North Uist (Newton)	J. MacAskill, Esq.	5	1 0	41	..	41·02	228	182
D	N. Harris (Amhuinsuidh Castle)	Norman Robertson, Esq...	5	1 3	12	*57·5*	50·74	232	222
	ROSS & CROMARTY. (Area, 3,237 sq. mi.)								
	1.—NESS—Moriston. 35 sq. mi.								
D	Glenmoriston (Cluanie Lo.)	D. Stobbart, Esq.*	5	1 0	750	..	65·59	219	196
	2.—BEAULY. 109 sq. mi.								
	3.—MORAY FIRTH COAST STREAMS. 64 sq. mi								
D	Fortrose	The Town Clerk	5	1 0	69	*23·4*	25·73	180	132
d	Fearn (Geanies)	Mr. A. Munro.	5	0 11	200	*23·1*	22·43	..	..

* *Per* Capt. W. N. McClean.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
ROSS & CROMARTY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—CROMARTY FIRTH. 714 sq. mi.								
D Muir of Ord (Fairburn)	Major J. S. Stirling	5	1 0	500	..	36·53	171	161
D Dingwall (The Academy)	The Rector	5	1 0	18	*29·0*	28·20	158	121
D Alness (Ardross Castle)	Mr. D. M. Sharpe	5	1 0	450	38·5	36·24	193	143
5.—DORNOCH FIRTH. 355 sq. mi.								
D Tain (Ardlarach)	Col. C. MacIver Ritchie	5	1 0	400	*29·4*	30·06	227	154
Tarbetness	Com'rs. of N. Lighthouses	5	1 10	62	*23·0*	19·78	..	..
6.—ENARD BAY. 78 sq. mi.								
7.—LOCH BROOM & C. 367 sq. mi.								
Loch a' Bhraoin (Vroain)	Mr. Murdo Mackenzie	8	0 9	820	*62·2*	58·37	..	..
Inverbroom House	Mr. Murdo Mackenzie	8	0 7	50	*54·7*	43·50	..	..
D Ullapool	Dr. D. Wallace	5	1 6	75	48·0	38·16	228	180
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.								
d Kinlochewe (Greenhill)	R. Matheson, Esq.	5	0 9	85	..	60·72	..	..
Loch Maree (Letterewe)	M. MacLennan, Esq.	5	1 0	32	..	53·75	..	..
D Poolewe (Inverewe Gardens)	R. G. Sawyer, Esq.	5	0 9	20	*55·2*	44·69	201	179
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.								
d Glenshiel (Ratagan)	Forestry Commission	5	1 0	12	*80·0*	59·48?	..	197
D Loch Duich (Inverinate)	J. Finlayson, Esq.	5	1 0	28	..	64·92	236	200
Ardelve (Conchra)	Miss D. MacRae	5	0 6	70	..	(56·79)	..	..
D Loch Carron (Dunhulladale)	Mrs. G. J. Campbell	5	1 0	9	*70·5*	63·53	255	192
Applecross Gardens	Mr. J. McCowan	5	1 6	70	57·3	53·18	..	..
d ACHNASHELLACH	Forestry Commission	5	1 0	225	84·4	67·03	(216)	(196)
10.—INSULAR, OUTER HEBRIDES. 691 sq. mi.								
Stornoway Lighthouse	Com'rs. of N. Lighthouses	5	0 6	28	..	40·48	211	179
D STORNOWAY (C. GUARD STN.)	Station Officer (M.O.)	8	1 0	79	..	38·87	249	192
D STORNOWAY (MATHESON RD.)	Station Officer (M.O.)	8	1 0	30	49·9	41·77	252	196
Butt of Lewis Lighthouse	Com'rs. of N. Lighthouses	8	3 9	51	*39·6*	39·14	205	178

DIVISION XIX—NORTHERN COUNTIES.

SUTHERLAND. (Area, 2,080 sq. mi.).

1.—DORNOCH FIRTH. 413 sq. mi.								
D Lairg	A. Gunn, Esq.	5	1 0	330	37·3	39·83	204	158
2.—FLEET, BRORA & C. 309 sq. mi.								
D Golspie (Technical School)	Wm. A. Macdonald, Esq.	5	1 5	100	32·2	24·85	203	122
3.—HELMSDALE & C. 226 sq. mi.								

DIVISION XIX—NORTHERN COUNTIES—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
SUTHERLAND—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
4.—NORTH COAST STREAMS. 736 sq. mi.								
D Skerray (Borgie)	Forestry Commission	5	1 0	110	37·5	41·10	235	189
D Tongue	Rev. W. J. Lundie	5	1 0	180	41·0	37·11	227	188
D Melvich	A. MacIntosh, Esq.	5	1 0	200	36·0	32·63	185	156
Cape Wrath	Com'rs. of N. Lighthouses	5	0 9	346	..	33·56	212	181
5.—LOCH LAXFORD & C. 256 sq. mi.								
D Loch More (Achfary)	Mr. J. Munro	5	1 0	137	75·8	69·67	248	211
6.—ENARD BAY. 138 sq. mi.								
7.—INSULAR. 2 sq. mi.								
CAITHNESS. (Area, 696 sq. mi.).								
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
Berriedale (Langwell)	Duke of Portland	5	1 6	150	33·8	29·81?	..	..
Clythness	Com'rs. of N. Lighthouses	5	1 5	133	29·6	30·68	205	152
2.—WICK & C. 184 sq. mi.								
D Wick (C. Guard Stn.)	Station Officer (M.O.)	8	1 2	81	29·9	30·68	220	145
Nosshead	Com'rs. of N. Lighthouses	5	0 9	129	25·1	25·08	..	115
3.—THURSO & C. 238 sq. mi.								
D Thurso (Buckies)	J. H. M. Davidson, Esq.	5	0 11	240	39·0	37·82	228	180
Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0 8	68	..	30·92	..	133
Dunnet Head	Com'rs. of N. Lighthouses	5	1 0	331	30·2	23·06	200	137
Duncansby Head	Com'rs. of N. Lighthouses	5	..	196	31·4	27·69	208	142
4.—FORSS & C. 104 sq. mi.								
D Reay (The Manse)	Rev. Dugald Carmichael	9	1 0	49	36·2	33·85	242	168
5.—INSULAR. 1 sq. mi.								
Stroma	Com'rs. of N. Lighthouses	5	3 0	54	25·5	23·11	221	150
ORKNEY. (Area, 389 sq. mi.).								
Pentland Skerries Lighthouse	Com'rs. of N. Lighthouses	5	3 0	70	..	31·34	195	166
Hoy (Cantickhead)	Com'rs. of N. Lighthouses	5	3 10	68	32·9	32·94	183	168
Hoy (Graemsay Sound, High)	Com'rs. of N. Lighthouses	5	1 4	29	35·8	33·70	155	132
Hoy (Graemsay Sound, Low)	Com'rs. of N. Lighthouses	8	4 4	40	35·9	39·07	..	160
D Deerness	W. J. Moar, Esq.	5	1 0	160	35·4	32·56	235	166
D Kirkwall (Bignold Park)	The Town Council	5	1 0	113	36·9	34·56	221	172
Hellyar Holm	Com'rs. of N. Lighthouses	5	1 3	35	32·9	33·25	195	154
Auskerry	Com'rs. of N. Lighthouses	5	1 0	22	..	30·23	213	153
Shapinsay (Balfour Castle)	Mr. W. Liddell	5	0 6	50	32·0	28·12	..	..
Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1 0	27	31·1	31·16	214	170
North Ronaldshay	Com'rs. of N. Lighthouses	5	0 9	22	32·8	30·71	187	125
SHETLAND. (Area, 558 sq. mi.).								
D Lerwick (The Nabb C. G. Stn.)	District Officer (M.O.)	8	1 0	156	35·4	30·34	215	160
D Lerwick Observatory	(+A) Meteorologist-in-Charge	8	1 0	269	38·1	34·44	230	168
Eshaness	Com'rs. of N. Lighthouses		..	..	34·6	29·36	..	146
D Bixter (Vementry)	Andrew Tait, Esq.	5	1 1	25	37·2	36·60	223	178
D Baltasound (Halligarth)	T. E. Saxby, Esq., F.R.F.P.S., J.P.	5	1 0	31	42·1	39·28	285	186

IRELAND.

DIVISION XX.—MUNSTER.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
CORK. (Area, 2873 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SHANNON—Left Bank Tributaries. 79 sq. mi.								
2.—DINGLE BAY. 4 sq. mi.								
3.—KENMARE & C. 47 sq. mi.								
4.—BANTRY BAY. 197 sq. mi.								
D Bantry (The Rectory)	Rev. J. W. Grainger, M.A.	..	..	..	..	53·64	214	170
D Garinish Island	M. Mackenzie, Esq.	5	2 6	24	*70·4*	55·88	213	173
5.—DUNMANUS BAY. 57 sq. mi.								
6.—BANDON & C. 694 sq. mi.								
D Castle Townshend (Glen Barrahane)	Sir M. P. Coghill, Bt.	5	1 3	100	*44·7*	41·40	197	163
D Castle Townshend (Seafield)	Major H. Chavasse	5	1 0	40	*47·6*	40·10	192	148
Skibbereen (Hollybrook Farm)	Capt. C. M. Morgan	8	1 6	60	*53·6*	45·65	203	..
D Kilbrittain (Rathclarin Rectory)	Rev. R. J. Colthurst	5	0 11	60	..	39·49	208	146
D Kinsale (Scilly House)	J. J. Orr, Esq., M.D	5	1 0	62	*38·5*	36·19	191	143
d Kinsale (Nohoval Rectory)	Rev. H. Hadden	5	0 6	272	*39·0*	36·00	..	..
D Dunmanway (The Rectory)	Rev. Canon A. Wilson	5	1 6	205	61·0	52·34	222	168
7.—CORK HARBOUR. 726 sq. mi.								
D Cloyne (The Deanery)	The Very Rev. Dean of Cloyne	5	1 0	100	..	35·02	169	143
d Cork (Rochelle School)	Miss K. McK. Johnston*	5	1 0	50	..	41·88	..	..
D Cork (University College) (+A)	Prof. H. N. Walsh	5	1 0	57	40·0	40·29	196	134
D Cork (University College Farm)	Prof. C. Boyle	5	1 11	75	..	43·75	189	139
D Cork (Wellington Road)	R. C. Sikes, Esq., C.E.	5	2 2	120	*40·3*	40·96	182	143
D Midleton (Ballinacurra)	The late J. H. Bennett, Esq.	8	1 0	24	40·4	35·67	195	135
D Glanmire (Lota Lodge)	No. 1. A. F. Sharman-Crawford, Esq.	5	1 0	200	42·6	38·48	198	146
8.—WOMANAGH & C. 118 sq. mi.								
D Roches Point (C. Guard Station)	Miss Roche (M.O.)	8	1 0	22	41·9	38·19	227	154
d Shanagarry (Kinoith)	Miss L. P. Strangman	5	1 0	75	..	(33·30)	(160)	(128)
9.—BLACKWATER. 922 sq. mi.								
D Millstreet (Convent)	Sister Columba	5	1 0	412	..	54·22	241	182
D Mallow (Longueville)	Major L. Longfield,	5	1 0	310	37·3	41·77	238	167
D Mallow (Hazlewood)	E. MacLysaght, Esq.	5	0 11	360	*39·5*	36·61	204	159
Kanturk (Castlecor)	Mrs. Norton Barry	..	..	..	*37·6*	40·47	..	..
10.—SUIR. 3 sq. mi.								
11.—INSULAR. 26 sq. mi.								
KERRY. (Area, 1851 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 372 sq. mi.								
D Ballylongford Rectory	Rev. C. Murray	5	3 6	60	..	40·79	213	176
2.—TRALEE BAY & C. 221 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XX.—MUNSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
KERRY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—DINGLE BAY. 789 sq. mi.								
D VALENTIA OBSERVATORY ...(+A).	The Superintendent.....	8	1 3	30	55·7	49·31	254	195
Gap of Dunloe (Gearhameen).....	J. Casey, Esq., for M.O.....	8	1 0	75	94·0	85·20	..	..
D Killarney (Flesk Mills).....	J. Lawlor, Esq.....	8	2 6	96	*54·9*	51·54	211	178
D Killarney (Mental Hospital)	Resident Medical Supt.....	5	1 2	173	54·7	48·51	208	165
Killorglin (Callinafercy).....	Maj. M. R. Leeson-Marshall.	5	1 0	40	*51·9*	45·56	..	..
D Bally McElligott Rectory.....	Rev. G. Maxwell	5	0 11	20	..	37·76	225	175
4.—KENMARE & C. 426 sq. mi.								
D Darrynane Abbey.....	Miss F. O'Connell	5	1 0	13	51·0	49·31	240	193
D Kenmare (Dromore Castle)	Lt.-Col. E. Hood.....	5	0 9	90	*65·1*	57·86	268	208
D Kenmare (Sheen Falls).....	Marquess of Lansdowne....	5	0 11	25	*65·6*	61·16	265	212
5.—BLACKWATER. 30 sq. mi.								
6.—INSULAR. 13 sq. mi.								
WATERFORD. (Area, 715 sq. mi.)								
1.—BLACKWATER. 243 sq. mi.								
d Tallow (Moore Hill)	E. Perceval-Maxwell, Esq...	5	1 6	100	..	45·80	..	142
D Lismore Castle	E. E. Hey, Esq.	5	1 2	85	..	41·27	204	137
2.—COLLIGAN & C. 259 sq. mi.								
3.—SUIR. 213 sq. mi.								
D Knockaderry Reservoir (No. 2)....	D. Sheedy, Esq.,C.E.....	5	1 0	248	*41·3*	45·67	174	133
D WATERFORD (Gortmore).....	Mrs. N. H. White.....	5	1 2	137	38·9	39·73	198	130
D Portlaw (Mayfield)	M. Sheehan, Esq.	5	0 10	25	43·1	43·87	187	142
D CARRICK-ON-SUIR (Seskin)	L. Grubb, Esq.	8	1 0	535	*45·0*	45·22	218	143
TIPPERARY. (Area, 1660 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 582 sq. mi.								
D Birdhill (Parteen Weir)	Electricity Supply Board...	5	2 3	110	..	43·00	212	180
D Nenagh (Traverston).....	Miss A. H. Norris.....	5	1 0	333	*45·2*	47·01	237	191
D Killaloe (Ballina).....	Office of Public Works.....	5	1 0	126	..	45·24	230	171
D Nenagh (Castle Lough).....	S. Parker-Hutchinson, Esq.	5	1 3	120	39·5	43·08	233	175
D Cloughjordan (Modreeny).....	Capt. G. W. Whitfield.....	5	1 0	275	..	36·42	198	170
Terryglass (Slevyre)	B.-Gen. C. J. Hickie, C.M.G..	8	1 0	143	*31·9*	32·07	208	148
2.—BLACKWATER. 21 sq. mi.								
3.—SUIR. 965 sq. mi.								
D Clonmel (Ballingarrone Ho.).....	W. Bagwell, Esq.....	5	0 10	225	..	38·04	195	150
D Cahir (Abbey).....	Mrs. W. Rochfort.....	5	1 0	160	39·2	50·20	213	169
d Tipperary (Church Street)	T. J. Breen, Esq.*.....	5	7 0	300	..	42·66	174	(157)
D Cashel (Ballinamona).....	E. W. M. Murphy, Esq.....	5	1 0	262	36·8	39·94	213	154
4.—BARROW—Nore. 92 sq. mi.								
D Roscrea (Timoney Park).....	S. Parker-Hutchinson, Esq..	5	1 0	475	*36·2*	38·51	222	156
LIMERICK. (Area, 1040 sq. mi.)								
1.—SHANNON—Right Bank Tributaries. 7 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XX.—MUNSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
LIMERICK—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—SHANNON—Left Bank Tributaries. 944 sq. mi.								
d **Abbeyfeale (Springmount Sch.)**	J. F. O'Kelly, Esq.	5	1 0	360	*41·1*	41·69	..	..
d Abbeyfeale (The Presbytery)	Rev. T. Hogan	5	1 0	290	..	(44·00)	(222)	(164)
Knocklong (Kilfrush)	Mrs. Gubbins. *	5	1 3	312	*37·8*	36·70	..	..
D **Foynes** (Coolnanes)	The Lord Monteagle, C.M.G., M.V.O.	8	1 0	43	39·7	40·73	222	167
D Foynes (National School)	W. Purtill, Esq.	5	2 10	16	..	39·69	200	163
D **Pallaskenry**	T. O'Byrne, Esq.	8	1 0	20	..	39·16	199	156
D **Limerick (Mulgrave Street)**	Messrs. W. J. Shaw & Sons.	5	1 1	60	*38·5*	42·19	226	180
D **Limerick (Boat Club)**	W. J. C. Horne, Esq.	5	1 0	50	*38·6*	43·19	223	200
D **Castleconnell Rectory**	Rev. Canon L. G. Davis.	5	1 0	88	*41·2*	37·80?	194	162
3.—BLACKWATER. 64 sq. mi.								
4.—SUIR. 25 sq. mi.								
CLARE. (Area, 1270 sq. mi.)								
1.—GALWAY BAY, SOUTH. 100 sq. mi.								
2.—MAL BAY & C. 294 sq. mi.								
D **Inagh (Mount Callan)**	Capt. R. G. Tottenham.	5	1 0	479	*67·2*	75·28	211	206
3.—SHANNON—Right Bank Tributaries. 854 sq. mi.								
d **Ardnacrusha (Power Station)**	Electricity Supply Board.	5	1 6	89	..	44·27	..	..
D **Dromoland Castle**	Dowager Lady Inchiquin.	5	1 6	45	*40·0*	41·00	212	170
d Broadford (Hurdlestown)	The late Lt.-Col. W. A. Bentley.	5	1 0	167	*39·7*	(37·28)?	(200)	(172)
D **Tuamgraney (Raheen Ho.)**	E. MacLysaght, Esq.	5	1 0	190	*41·9*	48·59	210	175
D **Feakle**	J. J. Harrington, Esq.	5	1 3	300	..	51·26	205	185
4.—INSULAR. 22 sq. mi.								

DIVISION XXI.—LEINSTER.

WEXFORD. (Area, 902 sq. mi.)								
1.—BARROW. 43 sq. mi.								
2.—OWENDUFF & C. 240 sq. mi.								
D **Foulks Mills (Longraigue)**	Miss J. Deane.	5	1 1	220	39·3	44·00	202	145
3.—SLANEY & C. 467 sq. mi.								
D **Johnstown Castle**	Lady Maurice Fitzgerald.	5	1 3	200	*37·0*	42·38	183	160
D **Enniscorthy (Woodbrook)**	Mrs. S. W. Blacker.	5	1 0	370	*48·8*	49·31	186	170
4.—OWENAVORRAGH & C. 146 sq. mi.								
D **Gorey (Courtown House)**	Earl of Courtown.	5	1 0	60	34·7	39·96	218	144
D **Gorey (Ram's Gate)**	Lt.-Cmdr. A.C.L. Ellis, R.N.R.	5	4 2	170	..	38·53	177	138
5.—OVOCA & C. 6 sq. mi.								
KILKENNY. (Area, 798 sq. mi.)								
1.—SUIR. 162 sq. mi.								
D **Piltown (Bessborough)**	The Earl of Bessborough.	8	3 7	60	..	37·81	190	134

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936: Rainfall.	1936: Days with ·01 in. or more.	1936: Days with ·04 in. or more.
KILKENNY—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
2.—BARROW—Nore. 527 sq. mi.								
D Thomastown (Mall House)	J. Molony, Esq	.	..	90	..	40·05	179	132
D Castlecomer House	Capt. R. H. Prior-Wandesforde	5	1 0	380	*39·6*	44·32	208	167
3.—BARROW. 109 sq. mi.								
WICKLOW. (Area, 781 sq. mi.)								
1.—BARROW. 12 sq. mi.								
2.—SLANEY. 200 sq. mi.								
D Shillelagh (Coollattin Gardens)	Mr. F. W. Cox	5	0 9	383	41·9	44·23	194	162
3.—OVOCA & C. 241 sq. mi.								
D Rathdrum (Avondale)	Lands & Fisheries Dept.	5	1 0	400	..	50·13?	212	151
4.—VARTRY & C. 193 sq. mi.								
D Rathnew (Clonmannon)	R. H. S. Truell, Esq	5	1 6	27	*33·1*	38·94	196	142
d Roundwood	Dublin Corporation*	5	1 8	750	*44·6*	46·18	..	..
D Newcastle (Killadreenan)	The Med. O. Nat. Hos. Cons.	8	1 2	256	*36·0*	41·44	193	143
D Delgany (Elsinore)	Miss N. G. Moore	8	1 4	260	..	43·36	197	149
D Greystones (Burnaby Lodge)	Capt. C. H. West	5	1 0	95	..	42·51	194	141
5.—LIFFEY & C. 135 sq. mi.								
D Ballymore Eustace (Bishoplane)	J. Kelly, Esq.	5	1 4	..	..	39·96	206	172
D Blessington Rectory	Rev. W. Reeves Scully	5	0 8	670	*38·0*	39·17	232	161
CARLOW. (Area, 346 sq. mi.)								
1.—BARROW—Nore. 9 sq. mi.								
2.—BARROW. 216 sq. mi.								
D Bagnalstown (Fenagh House)	D.R.P.Beresford,Esq.O.B.E.	5	1 0	340	34·9	34·74	205	130
d Carlow (Browne's Hill)	B.-Gen. R. Browne Clayton.	5	1 0	291	34·1	(32·14)	..	(130)
3.—SLANEY. 121 sq. mi.								
D Hacketstown Rectory	Rev. C. S. S. Ellison	5	1 6	590	39·5	39·78	228	157
LEIX (Area, 664 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 25 sq. mi.								
2.—BARROW—Nore. 339 sq. mi.								
D Abbey Leix (Blandsfort)	Mrs. Hum Bland	5	1 0	532	36·5	41·36	223	166
D Mountrath (Baunreagh)	Lands & Fisheries Dept.	5	1 0	810	..	56·65	197	170
3.—BARROW. 300 sq. mi.								

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Rain-gauge: Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more	1936. Days with ·04 in. or more.
OFFALY. (Area, 772 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—SHANNON—Left Bank Tributaries. 560 sq. mi.								
D Moneygall	A. Cleary, Esq.	.	..	450	..	37·80	217	171
D BIRR CASTLE	The Earl of Rosse	8	1 0	173	32·6	34·38	212	148
D Meelick (Victoria Lock)	Office of Public Works	5	1 0	121	*29·9*	36·67	218	154
D Banagher	Electricity Supply Board	5	1 6	130	*30·8*	33·47	180	159
D Ferbane (Turraun Peat Works)	Turf Development Bd. Ltd.	8	1 2	165	*32·5*	32·49	186	155
D Ballycumber (Bellair Ho.)	Mrs. F. B. Mulock	5	..	290	*33·9*	31·07	220	153
2.—BARROW—Nore. 5 sq. mi.								
3.—BARROW. 156 sq. mi.								
Edenderry (Tubberdaly Ho.)	J. Murphy, Esq.	5	1 6	330	*33·5*	35·35	..	..
4.—BOYNE. 51 sq. mi.								
d Edenderry (The Tunnel)	C. T. Calwell, Esq., C.E.	8	3 7	265	..	31·07	..	..
KILDARE. (Area, 654 sq. mi.)								
1.—BARROW. 332 sq. mi.								
D Athy (Moone)	E. Shackleton, Esq.	5	0 10	274	..	35·00	221	155
D Athy (Cromaboo Bridge)	Office of Public Works	5	0 11	185	..	31·01	201	140
D Monasterevan Rectory	Canon G. F. Graham	5	0 9	210	..	30·03	207	144
D Monasterevin (Pass Bridge)	Office of Public Works	5	0 8	208	..	29·42	209	142
2.—LIFFEY. 246 sq. mi.								
D Straffan House	F. B. Barton, Esq.	5	1 0	256	31·4	31·49	196	154
D Clongowes Wood College	The Principal	8	1 4	246	*30·2*	30·70	212	151
Leixlip (Alan's Grove)	G. F. E. Story, Esq.*	.	..	..	..	28·01	..	..
3.—BOYNE. 76 sq. mi.								
DUBLIN. (Area, 354 sq. mi.)								
1.—VARTRY & C. 23 sq. mi.								
D Shankill (Sherrington)	Lt.-Col. J. C. W. Erck	5	1 0	115	*29·6*	35·40	183	125
D Carrickmines (Claremount)	Mrs. W. A. Ormsby	5	0 11	300	..	32·53	191	133
Killiney (Rathleigh)	H. R. Maunsell, Esq.	5	3 6	..	*28·1*	31·78	..	..
2.—LIFFEY & C. 188 sq. mi.								
D Stillorgan (Vartry Ho.)	Dublin Corporation	5	1 0	263	*28·0*	36·72	195	146
D Stillorgan (Service Reservoir)	Dublin Corporation	5	1 0	265	..	36·52	195	145
D Kingstown (Harbour Yard)	Office of Public Works	8	1 0	52	*28·3*	31·84	169	132
D Kingstown (Tivoli Terr. S.)	Capt. L. B. Merideth	5	1 0	131	..	30·57	167	131
D Kingstown (People's Park)	Dr. T. J. Lydon	8	1 6	25	..	30·71	192	140
D RATHFARNHAM Castle	The Rev. Father the Rector.	8	1 0	169	*28·4*	32·83	203	138
d Belgard Castle	Hugh A. C. Maude, Esq.	5	0 10	450	..	35·18	..	135
D Rathmines (Neville Road)	T. H. Mason, Esq.	5	1 0	100	*28·0*	35·78	186	145
D Donnybrook (Anglesea Road)	F. C. D. Joynt, Esq.	5	1 0	30	*27·9*	36·11	195	143
D DUBLIN CITY (FitzWilliam Square)	Sir J. W. Moore, M.D., D.Sc.	8	1 6	54	27·4	28·02	197	135
D Dublin (Ringsend Pumpg. Stn.)	H. Nicholls, Esq.	10	0 9	23	*26·3*	30·61	182	147
D DUBLIN (TRINITY COLLEGE)	R. W. Ditchburn, Esq.	8	1 0	13	26·1	27·57	190	135
D DUBLIN (PHŒNIX PARK)	The Director of O.S. Office.	8	1 0	155	27·6	29·51	211	139
d HAZELHATCH (PEAMOUNT SAN.)	The Superintendent	5	1 0	366	..	(29·63)	(179)	(139)
D Clontarf (Pumping Station)	H. Nicholls, Esq.	5	3 9	17	*24·4*	30·57	204	145
D GLASNEVIN (Botanic Gardens)	The Keeper	8	1 0	55	27·9	29·56	210	133
D Howth (Danesfort)	Mrs. H. E. Guinness	5	1 0	460	..	31·35	180	139
d Howth Castle	J. Gaisford St. Lawrence, Esq.	5	1 6	35	*28·7*	31·35	..	136

* *Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DUBLIN—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—NANNY, DELVIN & C. 142 sq. mi.								
D Malahide (Seamount)	J. G. Jameson, Esq.	5	1 0	150	*28·0*	30·53	198	151
D Lusk (Nevitt)	W. Monks, Esq.	5	1 0	139	*29·2*	29·67	206	137
D Skerries (Milverton Hall)	Capt. E. G. Woods	5	1 0	190	*28·0*	31·13	197	145
D Balbriggan (Ardgillan)	No.1..Capt. E. R. Taylor	5	1 0	203	29·0	31·41	204	146
4.—INSULAR. 1 sq. mi.								
D Lambay Island	Lord Revelstoke	5	1 0	20	*27·4*	28·28	147	115
MEATH. (Area, 909 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 32 sq. mi.								
2.—LIFFEY & C. 72 sq. mi.								
D Dunboyne (Stirling, Clonee)	Mr. J. Pilkington	8	1 0	231	*33·3*	31·06	198	144
3.—NANNY, DELVIN & C. 150 sq. mi.								
4.—BOYNE. 560 sq. mi.								
D Summerhill House	Mr. W. Lauder	5	1 0	372	*33·7*	32·29	204	159
D Dunsany Castle Gardens	Mr. J. B. Pow	5	1 0	323	..	(33·07)	192	156
D Navan (Tara Hall)	C. Moore-Brabazon, Esq.	5	1 3	350	..	33·84	186	152
D Athboy (Frayne)	Dr. Beryl F. E. Moore	5	0 9	310	..	35·64	220	157
D Beauparc (St. Cloud)	W. J. Hopkins, Esq.	5	1 0	215	*31·5*	38·68	199	159
D Kells (Headfort)	The Marquis of Headfort	8	1 0	227	37·0	37·55	180	142
5.—DUNDALK BAY. 95 sq. mi.								
WESTMEATH. (Area, 712 sq. mi.)								
1.—SHANNON—Left Bank Tributaries. 517 sq. mi.								
D Athlone	Office of Public Works	5	1 0	116	..	37·11	185	171
Athlone (Twyford House)	J. P. Hodson, Esq.	5	1 0	187	37·0	38·41	213	..
D Moate (Coolatore)	H. A. S. Upton, Esq.	5	1 6	369	*33·5*	35·83	228	158
D Mullingar (Belvedere House)	Mr. G. W. Roberts	5	1 0	367	36·3	40·52	230	166
D Mullingar (Ballynegall Gardens)	Major Hawkesworth Smyth.	5	0 9	357	*39·0*	38·79	176	159
D Castlepollard (Pakenham Hall)	The Earl of Longford	5	3 0	300	*36·6*	37·40	210	161
2.—BOYNE. 195 sq. mi.								
LOUTH. (Area, 316 sq. mi.)								
1.—BOYNE. 32 sq. mi.								
2.—DUNDALK BAY & C. 264 sq. mi.								
Williamstown	A. W. Walsh, Esq.*		..	66	..	34·05	..	..
3.—CARLINGFORD LOUGH. 20 sq. mi.								
D Greenore	S. Wilson Esq.	5	1 3	20	31·9	38·03	187	146

**Per* Irish Rainfall Association.

DIVISION XXI.—LEINSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
LONGFORD. (Area, 424 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ERNE. 61 sq. mi.								
2.—SHANNON—Left Bank Tributaries. 363 sq. mi.								
D Ballymahon (New Castle)	Col. W. A. King-Harman	5	1 0	200	*36·7*	41·15	214	175
Longford (The Rectory)	Rev. H. Justice	5	1 0	185	*37·8*	35·34?	204	166
D Cloondrah	Office of Public Works	5	1 0	132	*31·5*	32·47	234	153
D Newtownforbes (Cas. F. Gns.)	J. Boyle for The Earl of Granard	8	1 0	154	37·6	37·24	190	173
d Gaigue School	Electricity Supply Board	5	1 9	390	..	36·01	(191)	(160)

DIVISION XXII.—CONNAUGHT.

GALWAY. (Area, 2377 sq. mi.)

1.—ERIFF & C. 141 sq. mi.								
D Moyard (Ballynakill Rectory)	Rev. B. C. B. Irwin	5	2 0	70	..	53·72	247	202
2.—GALWAY BAY NORTH. 277 sq. mi.								
3.—CORRIB. 846 sq. mi.								
D Galway (Grammar School)	The Headmaster	5	1 0	64	40·0	38·41	221	178
D Moycullen (Moycullen Ho.)	Major S. Perry	5	1 0	400	..	45·29	241	183
d Ballynahinch Castle	H.H. Maharaja of Nawanagar	5	1 9	41	61·0	59·34	..	198
D Tuam Palace Gardens	G. H. Greenham, Esq.	5	1 0	140	..	42·88	241	171
4.—GALWAY BAY, SOUTH. 281 sq. mi.								
5.—SHANNON—Right Bank Tributaries. 803 sq. mi.								
D Portumna	Electricity Supply Board	5	3 0	..	..	34·42	212	155
d Ballinasloe B.N.S.	Electricity Supply Board	5	..	150	36·7	33·14	..	..
d Ahascragh (Clonbrock)	The Hon. Miss Dillon	5	1 0	198	41·6	41·12	..	171
d Mt. Bellew B.N.S.	Electricity Supply Board	5	2 0	200	..	(41·64)	..	..
D Ballygar	Electricity Supply Board	5	..	200	..	39·13	209	163
d Glenamaddy	Electricity Supply Board	5	2 0	..	..	40·61	..	150
6.—INSULAR. 29 sq. mi.								

ROSCOMMON. (Area 961 sq. mi.)

1.—SLIGO BAY. 6 sq. mi.								
2.—MOY. 11 sq. mi.								
3.—CORRIB. 16 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 928 sq. mi.								
D Roscommon	Electricity Supply Board	5	..	..	..	38·62	230	214
D Lanesborough	Electricity Supply Board	5	1 6	140	..	32·35	173	165
D Strokestown (Castlenode)	W. J. Walpole, Esq.	5	1 6	160	35·0	38·44	204	163

MAYO (Area, 2149 sq. mi.)

1.—SLIGO BAY. 10 sq. mi.								
2.—MOY & C. 797 sq. mi.								
D Castlebar Rectory	Rev. J. Jackson, M.A.	5	1 0	145	*50·0*	55·51	246	214
D Ballina (The Rectory)	Rev. C. J. A. Harris, B.A.	5	1 0	75	..	39·35	232	192

DIVISION XXII.—CONNAUGHT—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
MAYO—(*con.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
3.—BLACKSOD BAY & C. 411 sq. mi.								
D BLACKSOD POINT	Sub-Postmistress (M.O.)	8	1 0	10	49·7	46·47	234	185
4.—CLEW BAY. 254 sq. mi.								
D Westport House	The Marquess of Sligo	5	1 0	35	46·6	46·19	228	185
D MALLARANNY	Chief Eng. G.S. Ry. Dublin.	5	1 0	120	*59·8*	62·16	248	219
5.—ERIFF & C. 121 sq. mi.								
D Aasleagh House	The Marquess of Sligo	5	1 0	30	95·2	98·41	253	222
D Delphi Lodge	The Marquess of Sligo	5	1 0	110	99·0	94·56	258	237
6.—CORRIB. 432 sq. mi.								
7.—SHANNON—Right Bank Tributaries. 35 sq. mi.								
8.—INSULAR. 89 sq. mi.								
SLIGO. (Area, 716 sq. mi.)								
1.—DROWES & C. 49 sq. mi.								
2.—SLIGO BAY. 444 sq. mi.								
D Collooney (MARKREE CAS.)	The late Mjr. Cooper's Trus.	5	1 0	122	43·3	44·47	245	201
D Sligo (Ard-na-veagh)	R. J. Kirwan, Esq., C.E.	5	1 0	90	*41·5*	44·01	234	190
3.—MOY & C. 166 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 56 sq. mi.								
5.—INSULAR. 1 sq. mi.								
LEITRIM. (Area, 615 sq. mi.)								
1.—ERNE. 152 sq. mi.								
2.—DROWES & C. 85 sq. mi.								
3.—SLIGO BAY. 135 sq. mi.								
4.—SHANNON—Right Bank Tributaries. 47 sq. mi.								
D Drumkeeran (Leckawn)	Electricity Supply Board	5	1 5	350	..	58·34	215	190
5.—SHANNON—Left Bank Tributaries. 196 sq. mi.								
D Ruskey	Office of Public Works	5	1 0	141	..	41·03	215	205
D Cloone	Electricity Supply Board	5	1 6	210	..	42·73	201	163
d Carrick-on-Shannon (Monastery)	Brother Mark	5	1 5	200	..	46·03	..	161
D Drumshanbo (Lough Allen Sluice)	Office of Public Works	5	1 0	169	*36·6*	41·59	242	157

DIVISION XXIII.—ULSTER.

CAVAN. (Area, 753 sq. mi.)								
1.—ERNE. 489 sq. mi.								
D Crossdoney (Kevit Castle)	Dr. F. P. Smith	5	1 0	211	*35·5*	38·42	204	169
2.—SHANNON—Right Bank Tributaries. 34 sq. mi.								
D Glangevlin	Electricity Supply Board	5	2 0	500	..	60·67	189	177
3.—SHANNON—Left Bank Tributaries. 91 sq. mi.								
4.—BOYNE. 122 sq. mi.								
5.—DUNDALK BAY. 17 sq. mi.								

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
FERMANAGH. (Area, 713 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
1.—ERNE. 667 sq. mi.								
D Newtownbutler (Crom Castle)	G. R. J. Corbett, Esq.	5	1 1	200	38·7	37·82	243	165
D Florencecourt	Earl of Enniskillen	5	1 0	274	..	53·29	240	176
D Enniskillen (Castle Coole)	Lady Dorothy Lowry-Corry	5	1 0	240	*41·0*	40·62	241	165
d Enniskillen (Portora School)	The Headmaster	5	1 0	251	*40·3*	38·63	..	..
D Colebrooke	Sir Basil Brooke, Bt.	5	1 6	250	..	43·54	219	174
D Belleek (Roscor)	Mrs. Dick	5	1 0	500	..	57·56	238	198
D Belleek (Heronshaw)	T. Beacom, Esq.	5	1 2	150	*45·5*	51·17	227	209
D Castle Archdale	Mrs. Archdale	5	1 0	247	..	44·53	229	174
2.—DROWES & C. 46 sq. mi.								
MONAGHAN. (Area, 498 sq. mi.)								
1.—ERNE. 208 sq. mi.								
2.—DUNDALK BAY. 132 sq. mi.								
3.—BANN—Lough Neagh, West. 158 sq. mi.								
ARMAGH. (Area, 514 sq. mi.)								
1.—DUNDALK BAY. 118 sq. mi.								
d Crossmaglen (Anamar)	P. Norris, Esq.	5	1 1	384	*36·2*	36·74	..	142
D Newtownhamilton	Government of N. Ireland	5	7 2	675	..	46·76	202	164
2.—CARLINGFORD LOUGH. 23 sq. mi.								
D Bessbrook (The Woodhouse)	J. S. W. Richardson, Esq.	5	1 0	260	*37·2*	40·21	193	157
3.—BANN—Lough Neagh, East. 37 sq. mi.								
4.—BANN, UPPER. 144 sq. mi.								
D Markethill (Whitecross)	Government of N. Ireland	5	0 11	400	..	41·59	202	168
5.—BANN—Lough Neagh, West. 192 sq. mi.								
D Keady (Derrynoose Rec.)	Rev. T. F. Campbell	5	1 0	380	..	36·46	235	155
D Tynan Abbey	Capt. C. N. L. Stronge	5	1 0	167	..	34·27	187	151
D ARMAGH (Observatory)	(+A) The Dir. of Obsy. (M.O.)	8	1 0	204	31·7	35·01	207	146
D Richhill (Sandymount)	Mrs. C. B. Lamb	5	1 6	200	*29·3*	33·68	190	159
DOWN. (Area, 961 sq. mi.)								
1.—CARLINGFORD LOUGH. 104 sq. mi.								
D Newry (Bridge Street House)	C. Blaney, Esq.	5	1 0	23	38·1	37·80	194	145
2.—DUNDRUM BAY & C. 173 sq. mi.								
D Silent Valley (Belfast W.W.)	C. F. Wheeler, Esq., C.E.	5	1 0	426	..	56·22	234	177
D Annalong (Belfast W.W.)	C. F. Wheeler, Esq., C.E.	5	2 9	435	*47·5*	51·19	238	166
D Mourne Mount'ns (Fofanny Res.)	J. E. Croasdaile, Esq., M.A.	5	1 0	938	*64·4*	72·38	167	151
D Seaforde	T. W. Forde, Esq.	8	1 0	180	38·3	41·62	209	168
3.—STRANGFORD LOUGH. 260 sq. mi.								
D Strangford	G. L. Hildebrand, Esq.	5	0 8	30	..	36·28	190	147
D Saintfield House	Rev. Canon E. H. Blackwood-Price.	5	0 9	300	*34·9*	37·98	239	156
D Newtownards (Grey Abbey)	H. H. K. Worsley, Esq.	5	1 0	30	..	39·86	217	174
4.—COAST STREAMS. 47 sq. mi.								
D DONAGHADEE (C. Guard Stn.)	The Station Officer (M.O.)	8	1 0	40	31·3	35·59	230	162
D Donaghadee (Craigmore)	Miss E. E. Coates	5	1 0	60	*30·6*	34·83	225	147
D Donaghadee (Orlock Reservoir)	The Resident Engineer	5	1 0	43	..	36·37	204	154

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
DOWN—(*con.*).		*in.*	*ft.in.*	*ft.*	*in.*	*in.*		
5.—BELFAST LOUGH. 206 sq. mi.								
D Dromara	Government of N. Ireland	.	..	..	..	42·68	212	161
Annaghanoon	W. J. Gibson, Esq.	5	1 0	200	..	33·47	..	..
D Waringstown (The Forge)	W. J. Gibson, Esq.	5	1 0	187	32·2	33·65	209	152
D Hillsborough (Research Stn.)	The Secretary	5	1 0	388	..	36·38	208	158
6.—BANN—Lough Neagh, East. 7 sq. mi.								
7.—BANN, UPPER. 162 sq. mi.								
D Portadown (Moyallon House)	Mr. J. Eccles	5	0 7	130	*32·6*	32·53	167	136
8.—INSULAR. 2 sq. mi.								
ANTRIM. (Area, 1193 sq. mi.)								
1.—BELFAST LOUGH. 107 sq. mi.								
D Lambeg (Glenmore House)	Linen Industry Res. Assn.	8	0 11	100	..	38·80	179	153
D Dunmurry (Warren House)	Col. H. R. Charley	5	0 10	110	..	41·30	214	158
D Belfast (Queen's University)	J. A. Badger, Esq.	5	1 0	62	34·5	43·03	212	162
D Belfast (Sewage Works)	R. B. Donald, Esq., C.E.	8	1 0	26	*35·8*	42·12	215	164
D Belfast (Cave Hill Road)	Miss C. Firth	5	1 0	200	*40·2*	44·17	262	179
D Belfast (Oldpark Filters)	C. F. Wheeler, Esq., C.E.	5	1 0	203	..	39·57?	179	155
D§Carrickfergus (Dorisland)	C. F. Wheeler, Esq., C.E.	5	1 0	250	..	43·37	206	171
D Carrickfergus (S. Woodburn)	C. F. Wheeler, Esq., C.E.	5	1 0	640	..	51·81	230	182
D Carrickfergus (N. Woodburn)	C. F. Wheeler, Esq., C.E.	5	1 0	735	..	53·24	229	185
D Carrickfergus (Copeland)	C. F. Wheeler, Esq., C.E.	5	1 0	427	..	43·31	229	182
D Carrickfergus (L. Mourne)	C. F. Wheeler, Esq., C.E.	5	1 0	596	..	45·79	226	175
2.—GLENARM & C. 186 sq. mi.								
D Larne (Sallagh Springs)	J. E. Croasdaile, Esq., M.A.	5	1 0	566	*50·0*	51·54	224	190
3.—BUSH & C. 193 sq. mi.								
D Ballycastle (Magherintemple)	Capt. J. Casement, D.S.O.	5	1 0	230	*42·6*	48·10	262	193
4.—BANN, LOWER. 112 sq. mi.								
5.—BANN—Lough Neagh, East. 590 sq. mi.								
D Stoneyford (Belfast W.W.)	C. F. Wheeler, Esq., C.E.	5	1 0	453	..	41·40	205	165
D Aldergrove (Aerodrome)	(+A)Meteorological Officer	8	1 0	238	33·0	35·12	217	161
D Randalstown (Hollybrook)	N. F. Webb, Esq.	5	1 0	120	..	41·63	229	187
D Ballymena (Harryville)	J. R. Williams, Esq.	5	1 5	150	41·5	44·31	231	208
D Broughshane (Tullymore Sch.)	E. W. Thomson, Esq.	5	1 2	218	..	43·09	222	182
D Broughshane (Quolie)	H. O'Hara, Esq., C.E.	5	1 3	864	*47·3*	51·59	238	194
6.—INSULAR. 5 sq. mi.								
LONDONDERRY. (Area, 816 sq. mi.)								
1.—LOUGH SWILLY. 6 sq. mi.								
D Londonderry (Dunruadh)	J. H. Welch, Esq.	5	0 6	130	*40·5*	43·31	240	188
2.—BUSH & C. 9 sq. mi.								
3.—BANN, LOWER. 240 sq. mi.								
d Upperlands (Ardtara)	H. J. Clark, Esq.	5	4 6	250	..	41·66	..	162
D Garvagh (Moneydig)	J. Porter, Esq.	5	1 0	121	..	40·37	247	169
D Coleraine (Ingledene)	W. R. Johnston, Esq.	5	3 4	55	..	39·01	234	175
4.—BANN—Lough Neagh West. 196 sq. mi.								

§ Gauge over-exposed.

DIVISION XXIII.—ULSTER—(*con.*).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge: Height of Rim above Ground.	Rain-gauge: Height of Ground above Sea Level.	Average Rainfall.	1936. Rainfall.	1936. Days with ·01 in. or more.	1936. Days with ·04 in. or more.
LONDONDERRY—(*con.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
5.—FOYLE & C. 365 sq. mi.								
M Glenedra (Spelhoagh Mountain)	Londonderry C.B.C.	5	1 0	1333	*60·0*	55·59	..	..
M Glenedra Hill	Londonderry C.B.C.	5	1 0	1333	*62·5*	62·84	..	..
M Glenedra Lodge	Londonderry C.B.C.	5	1 0	950	*55·6*	61·21	..	..
M§Glenedra (Altagarran Mountain)	Londonderry C.B.C.	5	1 0	1230	..	60·84	..	..
M Dungiven (Labbyheige)	Londonderry C.B.C.	5	1 0	1150	..	61·04	..	..
M Altnaheglish (Altabrogy Burn)	Londonderry C.B.C.	5	1 0	967	..	58·06	..	..
M Glenedra Intake	Londonderry C.B.C.	5	1 0	740	..	58·37	..	..
M Altnaheglish (Glack Burn)	Londonderry C.B.C.	5	1 0	967	..	55·60	..	..
D Dungiven (Banagher Filters)	Londonderry C.B.C.	5	1 0	373	..	54·23	234	193
D Londonderry (Creggan Res.)	Mr. W. Hutchison	8	1 0	325	41·8	48·48	279	213
D Limavady (Roevista Manse)	Rev. W. Browne	5	1 0	70	*37·0*	33·31	199	150
D Limavady (Drenagh)	M. M. McCausland, Esq.	5	1 6	80	37·0	36·68	225	163
Bellarena	Sir F. G. Heygate, Bt.	5	4 0	12	38·4	36·88	222	..
TYRONE. (Area, 1257 sq. mi.)								
1.—ERNE. 46 sq. mi.								
2.—BANN—Lough Neagh, West. 442 sq. mi.								
D Dungannon (Aloha)	Major R. Stevenson	5	1 0	275	*37·2*	48·49	216	162
D Castlecauifield (Parkanaur)	Capt. Y. A. Burges	8	0 6	250	..	39·09	218	150
Cookstown	A. J. Black, Esq.	5	1 0	450	..	46·23	..	..
3.—FOYLE. 769 sq. mi.								
D Omagh (Edenfel)	Miss H. M. Buchanan	8	1 0	280	40·1	46·16	251	197
D Newtown Stewart (Barons Ct.)	Capt. E. W. Ross	5	1 0	250	*43·0*	39·36?	225	175
D Sion Mills (Sion House)	Capt. J. C. Herdman	5	1 0	100	*39·0*	42·69	236	185
DONEGAL. (Area, 1875 sq. mi.)								
1.—DONAGH & C. 146 sq. mi.								
D Carndonagh (Rocksmount)	Cecil Porter, Esq.	5	1 0	50	..	44·56	219	185
D Malin Head (C. G. Stn.) *New Site*.	P. Farren, Esq. (M.O.)	8	1 0	84	..	36·67	217	166
2.—LOUGH SWILLY. 273 sq. mi.								
D Buncrana Rectory	Rev. R. P. Meredith	5	1 0	50	..	40·67	239	194
3.—SHEEPHAVEN & C. 307 sq. mi.								
D Dunfanaghy (St. Patrick's)	W. T. Arnold, Esq.	..	..	30	*43·0*	42·07	227	210
D Rosapenna Hotel	Rosapenna Hotel Co.	5	1 0	30	..	37·03	226	176
4.—GWEEBARRA & C. 341 sq. mi.								
5.—DONEGAL BAY. 322 sq. mi.								
D Dunkineely (Killaghtee Ho.)	Rev. Canon J. C. Steele*	5	1 0	148	..	53·17	234	182
6.—ERNE. 68 sq. mi.								
7.—DROWES & C. 10 sq. mi.								
8.—FOYLE. 396 sq. mi.								
9.—INSULAR. 12 sq. mi.								

* *Per* Royal Meteorological Society § Gauge over-exposed on Moor.

BRITISH RAINFALL
1936

PART IV

DROUGHT IN SCOTLAND, NOVEMBER 1935 to JUNE 1936.

By JOHN GLASSPOOLE, M.Sc., Ph.D.

Unusually small totals of rainfall were recorded in the northern half of Scotland during the first six months of 1936. The general rainfall over Scotland was less than the average in each of the five months February to June. Details of the general values, both in inches and as percentages of the monthly averages, are given below :—

FEBRUARY–JUNE, 1936.

		Feb.	Mar.	April	May	June	Total
Rainfall 1936	inches ..	3·4	2·8	1·6	2·0	2·0	11·8
	per cent. .	83	70	56	68	73	—

The values for February, March and May were not outstanding, the similar months in both 1934 and 1935 being drier. April 1936 was the driest April over Scotland generally since that of 1918, and June 1936 the driest June since that of 1925. A more striking feature was the sequence of five dry months, February to June, which has not occurred since 1887. The corresponding amounts in 1887 are given below :—

FEBRUARY–JUNE, 1887.

		Feb.	Mar.	April	May	June	Total
Rainfall 1887	inches ..	3·1	2·4	2·7	1·9	1·2	11·3
	per cent. .	75	59	91	61	43	—

The total rainfall during the period February to June 1937, was therefore only half-an-inch more than that of the similar period in the famous dry year 1887.

In each month, February to June 1936, the deficiencies were most marked in the north-western half of Scotland, where in each case there were areas with less than half the average. November 1935 and January 1936 gave more than the average over Scotland generally. Nevertheless even in these months there were areas with less than 50 per cent. in some part of the north-western half of Scotland. In fact this type of distribution persisted during the eight months from November 1935 to June 1936. The main areas

in each month with less than 50 per cent. are enumerated below :—

November 1935 .. Ross-shire.
December ,, .. Ross-shire and Inverness-shire.
January 1936 .. Inverness-shire.
February ,, .. Western Inverness-shire and Sutherlandshire.
March ,, .. Isle of Lewis to Aberdeenshire.
April ,, .. Western Inverness-shire, also Aberdeen to Fife.
May ,, .. Sutherlandshire across central districts to Dumfries.
June ,, .. Ross-shire and West Sutherlandshire.

The monthly percentages at individual stations in these areas were not remarkable, being nowhere less than 30 per cent.

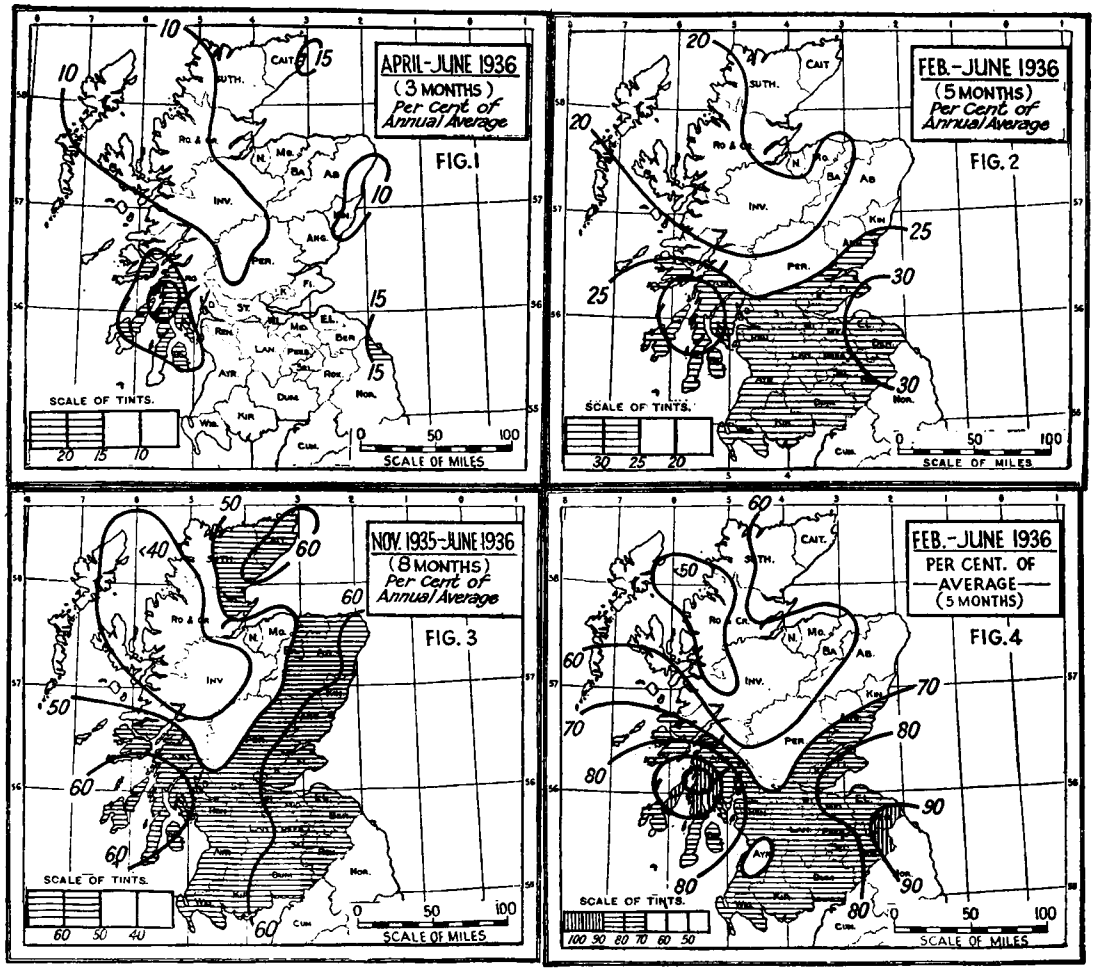
The special features of the distribution during the period November 1935 to June 1936 are shown in four charts. The first chart (Fig. 1) shows the total rainfall during the three months *April to June 1936*, expressed as a percentage of the average fall for the whole year. In a normal year the period April to June gives less rain than any other three consecutive months over Scotland generally. The percentages of the annual total vary from just over 20 per cent. in the south-east of Scotland and the neighbourhood of the Moray Firth to 15 per cent. at Fort William. From Fig. 1 we see that the rainfall of April to June 1936 was less than 10 per cent. of the average annual amount over a large area stretching from Perthshire to the Isle of Lewis, as well as in Aberdeenshire and Kincardineshire. The smallest percentage values were 7, 8 and 8 recorded at Glenquoich, Achnashellach and Stornoway respectively.

The next chart, Fig. 2, shows the distribution of the total rainfall for the five months, *February to June 1936*, again expressed as a percentage of the annual average. Normally the rainfall of these five months at all stations in Scotland contributes slightly more than one-third of the total for the year. From Fig. 2 we see that less than one-quarter of the total for the year fell over the whole of the northern half of Scotland. There was less than 20 per cent. over a large area stretching from the north of Perthshire to Morayshire, Western Sutherlandshire and the Isle of Lewis. The rainfall of this period was only 16 per cent. of the average annual amount at Ullapool, Glenquoich, Achnashellach and Stornoway.

Fig. 3 shows the distribution of the total rainfall for the eight months, *November 1935 to June 1936*, again expressed as a percentage of the average fall for the whole year. At Scottish stations these eight months contribute on the average very nearly two-thirds of the total for the year, the variation being from 61 per cent. at Marchmont House in Berwickshire to 69 per cent. at Fort William. From Fig. 3 we see that there was less than 50 per cent. of the annual average over a large area in central and north-west Scotland, stretching to the Moray Firth and Morayshire. Over most of

Inverness-shire and Ross-shire there was less than 40 per cent. The totals at Glenquoich, Achnashellach and Ullapool were only about one-third of the average for the whole year, and only equal to the average for the five months February to June.

The rainfall of the five months *February to June 1936* is remarkable. A further chart, Fig. 4, has therefore been prepared, in which the rainfall is expressed as a percentage of the average rainfall for these five months. From Fig. 4 we see that the rainfall



Rainfall in Scotland during the period November 1935 to June 1936.

was less than the average everywhere in Scotland except in part of Argyllshire. This was due to local instability rains during May 15th to 17th, when as much as 5·20 inches was recorded at Poltalloch. It is interesting to note that the fall of 3·10 inches for May 17th at Poltalloch was the only occasion of a daily entry exceeding 2·5 inches for any station in Scotland during the period January 20th to July 17th. So long a period with only one " heavy fall on a rainfall day " at stations in Scotland is most unusual. The rainfall of the period February to June 1936 was less than 70 per cent. of the average for

that period over much of northern and central Scotland and less than 50 per cent. over much of Ross-shire and part of Inverness-shire. There was 46 per cent. of the average at Ullapool and 48 per cent. at Glenquoich.

In dealing with the famous dry year 1887 the late Mr. G. J. Symons, F.R.S., suggested that " periods of three or more consecutive months the aggregate of which is less than half the average for that period " should be defined as " Engineer's droughts." This definition has not been adopted, but it is of interest to note that such a drought occurred over a large area in the north-west of Scotland during these five months February to June 1936.

We are now in a position to give details of the monthly rainfall at the four stations, *viz.*, Glenquoich, Ullapool, Achnashellach and Stornoway, where the drought was most intense. For these four stations the monthly totals are given both in inches and as percentages of the monthly averages at those stations.

		1935 Nov.	Dec.	1936 Jan.	Feb.	Mar.	Apr.	May	June
(1) Loch Quoich (Glenquoich)	ins.	7·89	5·78	5·32	4·35	5·18	2·80	2·57	2·80
(Inverness-shire)	%	65	39	39	42	53	43	47	57
(2) Ullapool.....	ins.	3·28	2·96	2·63	1·71	1·54	1·98	1·13	1·25
(Ross and Cromarty)...	%	62	47	57	40	37	64	44	53
(3) Achnashellach.....	ins.	3·42	3·97	5·00	3·00	3·88	3·31	1·80	1·63
(Ross and Cromarty)...	%	37	40	52	41	54	59	40	41
(4) Stornoway.....	ins.	3·68	3·58	3·24	2·48	1·64	2·04	1·10	·93
(Ross and Cromarty)...	%	63	57	63	56	40	67	43	40

It will be seen that the rainfall approximated roughly to half the average, during each of the eight months November 1935 to June 1936, at each of the four stations. These stations are representative of a large area in the north-west of Scotland where the rainfall is normally frequent and heavy. In fact, even during this abnormally dry period appreciable rain occurred in each month, emphasizing the equable nature of the climate of these islands.

In the case of these four stations, the total rainfall for the groups of 3, 5 and 8 months already considered, are also given below.

	Annual Average (in.)	April–June, 1936.				February–June, 1936.				November, 1935–June, 1936			
		Rain (in.)	Average. (in.)	%	% of Annual Average.	Rain (in.)	Average. (in.)	%	% of Annual Average.	Rain (in.)	Average. (in.)	%	% of Annual Average.
(1)	110·75	8·17	16·87	48	7	17·70	36·93	48	16	36·69	77·48	47	33
(2)	48·00	4·36	8·01	54	9	7·61	16·45	46	16	16·48	32·68	50	34
(3)	84·40	6·74	14·09	48	8	13·62	28·52	48	16	26·01	57·30	45	31
(4)	49·85	4·07	7·91	51	8	8·19	16·47	50	16	18·69	33·72	55	38

The table also gives the average rainfall for the various groups of months. The rainfall of each period is also expressed as percentages in two ways, *viz.* (*a*) as a percentage of the average for the corresponding group of months and (*b*) as a percentage of the average annual amount.

The record at Glenquoich has been maintained since 1870, so that it is possible to make a detailed comparison of the rainfall of November 1935 to June 1936 with that recorded in earlier years. In the table below the amounts recorded during the periods of 3, 5 and 8 months, during November 1935 to June 1936, are compared with the smallest amounts for groups of any 3, 5 and 8 consecutive months in the series. It will be noted that February to June 1936 was drier than any other group of five consecutive months and that November 1935 to June 1936 was drier than any previous group of eight consecutive months. This emphasizes the abnormality of the rainfall of this period in the Western Highlands of Scotland.

RECORD AT LOCH QUOICH (GLENQUOICH)

Least rainfall in periods of three consecutive months.

Period.	Rainfall *in.*	% of annual average
May–July, 1889	5·66	5·1
March–May, 1918	7·36	6·6
February–April, 1873	7·87	7·1
April–June, 1936	*8·17*	*7·4*
April–June, 1891	8·36	7·6

Least rainfall in periods of five consecutive months.

February–June, 1936	*17·70*	*16*
March–July, 1889.....	18·85	17
May–September, 1915	19·59	18
February–June, 1873.....	20·58	19
March–July, 1918.....	20·91	19

Least rainfall in periods of eight consecutive months.

February–September, 1936.....	*34·61*	*31*
November, 1935–June, 1936	*36·69*	*33*
November, 1878–June, 1879.....	38·96	35
May–December, 1933.....	38·17	34
November, 1870–June, 1871.....	39·93	36

Captain W. N. McClean has commented on the unusually long period, from the end of November 1935 until the end of October 1936,

without a high flood in the Ness basin, which illustrates the effects of the abnormally low rainfall during the period under discussion.

The small totals of rainfall for the period November 1935 to June 1936 were associated with a decrease in frequency of south-west winds in the western and north-western half of Scotland. In each month there was an excess, as compared with the normal for the month, of winds from some point between north-east and south-east. The weather was colder than the normal during the winter months but warmer than usual in the summer months. The mean temperature at stations in the west and north of Scotland during the six months November 1935 to April 1936 was about 1°F. less than the normal, while for the two months May to June the mean was 1°F. to 2°F. more than the normal. This is the usual state of affairs when the general wind circulation is displaced as during the period under discussion.

SNOWFALL IN BRITISH ISLES DURING DECADE 1926-1935.

By L. C. W. BONACINA, F.R.MET.SOC.

INTRODUCTION.

This is the first ten-year supplement to the fifty-year survey of snowfall in the British Isles which was published in *British Rainfall*, 1927. It follows on the same lines as the first paper, consisting of a chronicle of events season by season, followed by sections dealing with aspects of special interest as determined by circumstances.

In the Chronicle the seasons are arranged as in the first paper in three grades as " snowy", " ordinary", or " snowless," indicated by the printing of their dates in **thick type,** ordinary type, or *italics*. The significance to be attached to these grades is explained in section 2 which follows the Chronicle. Following the date of each season the more noteworthy months for snowfall are named, due regard being paid to the importance of the snowfall in relation to the season of the year.

SECTION 1. CHRONICLE OF CHIEF EVENTS.

1925–26.—NOVEMBER, DECEMBER, JANUARY AND MAY.

The early part of this winter was decidedly snowy, more particularly in the north. General falls took place during severe weather in November. London on the morning of Queen Alexandra's funeral, 27th, had the heaviest November snowfall since 1904. This late November fall was heavy on the East and North-east coast of England and in East Anglia, the depth of snow at Norwich being 7 inches. In the early part of December villages in the Yorkshire Wolds were isolated for days by great drifts, the inhabitants having an anxious time. Christmas was genuinely " old-fashioned " in Scotland. Heavy snowfalls of a more local character were also experienced in England. Thus Malvern had a heavy fall of dry snow, and London early on Christmas morning had a fall of wet snow, which covered the ground for a few hours at Hampstead. In mid-January heavy snow accompanied a short spell of intense cold. London had a moderate fall on the 16th, the most since January 1924.

On May 15th a deep snowfall occurred in the Cotswolds and some other southern districts.

1926–27.—OCTOBER, JANUARY, FEBRUARY AND APRIL.

This was a season of light snowfall. Snow, however, began to fall early during a bleak October, the hills being frequently clad in white. On the night of the 25th London had the most decided October snowfall for many years, the depth on Hampstead Heath being a few inches for a short time. Local snow occurred at intervals in December, and there were one or two rather heavy falls late in January and early in February. London had a moderate fall on January 23rd. At the end of April a severe snowstorm in northern Scotland affected in some measure the whole of that country and northern England. The island of St. Kilda was under snow on the 29th and the rocks were covered with icicles (*Scottish Geographical Magazine,* Vol. 44, 1928).

1927–28.—SEPTEMBER, NOVEMBER, DECEMBER, JANUARY, MARCH, APRIL AND JUNE.

At the end of September and beginning of October there was snow in Scotland and northern England down to quite low levels in places —quite thick on the Lake District fells. In the second week in November the Highland mountains experienced widespread snow, and this lay a foot deep even as far away as Inverness. There were also considerable falls in northern England, but only slight attempts in the south, London having a few dry flakes on the 10th. These autumn snowfalls were a prelude to a peculiarly severe and dark December. On the 14th there was a rather heavy general fall in northern England and Wales, and between the 16th and 20th frequent dry snow showers accompanied continuous frost day and night. Along the east coast the snow lay down to the very shore line. After a silver thaw on the 22nd a great blizzard swooped down on the south of England on Christmas morning following a dark winter day of torrential rain. (See Section 5). January was mild and rainy but snow appeared again in northern districts at the end of the month, the Cheviot Hills being deeply covered at the time of Lord Haig's funeral on February 4th. A somewhat accentuated snowy spell accompanied northerly winds in the eastern parts of Britain between March 8th and 13th. There was heavy drifting in the coastal parts of Kent and Essex which escaped in December, as well as on Exmoor. Newcastle-on-Tyne was nearly isolated for a while. At the end of March further falls occurred in the north. A distinctly snowy spell was experienced in the middle of April, and there was a certain amount of snow during May in the Scottish Highlands with a further heavy fall in mid-June.

1928–29.—SEPTEMBER, DECEMBER, JANUARY, FEBRUARY AND APRIL.

The snowfall of this severe winter is classed as heavy, because all cold winters in England bring snow rather than rain; but, as in 1894–5, the snowfall was relatively scanty, and though frequent, less

heavy than in many a milder winter. As usual in winters of this type much more snow fell in the milder western regions of Great Britain than in the colder eastern districts. Much snow fell in Wales, south-west England, northern England and Scotland; little fell in Ireland (which escaped the severe cold) as well as in the very cold midland and south-east counties of England, though the Kent coast was affected at times by the heavy Continental snowfalls. In September a sharp foretaste of winter brought some snow in the Highlands and a threat of it even in the south, making Londoners recall September 1885. October and November were mild and stormy with no snow worth mentioning. With December the cold commenced, there being rather copious snowfalls of a local character in northern districts in the middle of the month. These were renewed at the close, the falls in Wales and the west Midlands on the 28th amounting to 6 inches in places, including Malvern. January brought heavy falls of snow in the first week and in the middle of the month, principally in south-west England, Wales, northern England and Scotland. Villages on Exmoor had a bad time of it; in north-east Scotland a foot of snow lay on the ground on the 16th. The eastern and midland parts of England mostly escaped with a few light falls—the heaviest being a dense squall which moved from north to south and deposited an inch of dry snow in ten minutes in London on the 17th. In February the distribution of snow was similar to that in January—heavy in south-west England, Wales, the Pennines and Scotland, but trifling in the Midlands and eastern England, except at some places immediately on the coast. What did fall, however, in this very cold but nearly snow-free region was deliciously dry and powdery. The heavy February falls in the west occurred chiefly between the 10th and 18th and the 25th–28th The snowfall locally on Dartmoor on the 16th was truly enormous, the undrifted depth being estimated as from 3 to 6 feet. (See Section 5). South Wales was also heavily visited at that time, the streets in Cardiff being kept open for traffic only with great difficulty. March was an extraordinarily dry month with an astonishing jumble of heat and cold. April brought a good deal of bleak weather, especially in the middle—when northern districts experienced local falls of several inches. London had brief, though rather heavy, showers of snow and sleet on the 12th and 13th.

1929–30.—NOVEMBER, DECEMBER, FEBRUARY AND MARCH.

This season was mild and rainy at the beginning, cold and snowy at the end, especially in the north. Preliminary light snowfalls occurred late in October as far south as the Midlands. November brought the first decided falls in a cold period mostly felt in Scotland, though at this time the Pennines and Dartmoor were also deep under snow. The heavy downpour of cold rain on November 16th had snow in it at many places in south-east England. In December there was rather

heavy snow in the north just before Christmas, when many roads were blocked. On the 11th January some snow occurred, including a light fall in London, the first definite fall there of the winter. February was a persistently cold and snowy month in Scotland and northern England, more snow falling than in February 1929, at any rate in the Grampians and Cairngorms. At times there were somewhat heavy falls in the south, notably in Surrey and Kent ; but London escaped with a short thick snow shower lasting about 20 minutes and whitening the ground on the 17th. March was likewise a snowy month, bringing blizzard-like conditions at times. Snow fell frequently between the 13th and 20th almost everywhere in the British Isles, many roads in northern and elevated districts being rendered impassable. Birmingham had 7½ inches of snow on the 15th. Around the equinox there were severe snowstorms, the depth of snow in Scotland being in many places about a foot, whilst in the south a Channel blizzard brought quite half a foot to East Kent. London had no more than a little powdery snow on the evening of the 21st. In April there were sporadic snowfalls just about Easter, even in the south, but rather heavy in the north. Light snow occurred early in May on high ground. The very persistent and heavy snowfalls of February and March in the north prevent this from being classed as a season of light snowfall.

1930–31.—NOVEMBER, JANUARY, FEBRUARY AND MARCH.

This season ranks on the whole as a snowy one, because falls of snow were frequent and often heavy, except in south-west England. November was cold in Scotland with frequent snow—recorded at Lerwick on 26 out of the 30 days. December was not particularly snowy in Scotland but occasionally falls spread to much of England. On Boxing Day snow was heavy from Lincolnshire northward, especially in Northumberland. Early January brought light falls in London during a frost and late in the month there were heavy falls in the north preparatory to a big fall at the beginning of February. In northern England even some lowland places had 2 feet of snow, and in many parts of Scotland 10 to 15 feet drifts were common. In general February was a very snowy month in Scotland as in 1930, and in England there were repeated light dry falls including London, while locally in east Kent and the Cotswolds they were heavy. On February 28th an accentuated renewal of snowy conditions with north winds was ushered in by a thunderstorm in London, and from then till the middle of March snowfalls were frequent and general. In the Orkneys the depth of snow was 18 inches about this time. On Sunday March 1st the snow at Hampstead blew off trees like powder. On Monday, March 9th (curiously the 40th anniversary of the blizzard on Monday, March 9th, 1891) Central London had a heavy fall of dry snow amounting to between 3 and 4 inches, but the fall was somewhat

patchy, Hampstead having much less than the City, a most unusual reversal of the normal distribution. The fall was deposited from Cumulonimbus clouds, and was therefore of the instability shower type, but it snowed continuously with great density for 2 or more hours. Severe cold followed at night. On the night of April 18th 2 or 3 inches of wet snow fell in Buckinghamshire and Essex and some snow also occurred in London. Dartmoor had very little snow this season, the only conspicuous fall being on one day in early March. On the Scottish Highlands the season's fall was very heavy, and there was an unusual amount of snow lying during the summer of 1931.

1931–32.—OCTOBER, FEBRUARY, MARCH AND APRIL.

This was a season of trivial snowfall, which was ironical in view of the special arrangements which were made for winter sports at home. In Scotland the winter was the most snowless within living memory presenting a great contrast with several immediately preceding seasons. In October a sharp spell of wintry weather brought early snowfalls in Perthshire, Northumberland and elsewhere in the North. In November there were only a few light falls in the Scottish Highlands. On December 28th a brief cold spell gave snow to most of Britain but it was not heavy except in the Highlands. At Braemar the assembled skiiers had a few days' sport after which there was no opportunity till the spring. January was warm and almost snowless. On February 10th a brief snowy spell commenced which was conspicuous in southern and eastern England. The snow was fairly deep in the Wealden area of Surrey and Sussex as well as on the North Downs, where a little skiing was enjoyed. A few villages were in difficulties. The snow was generally dry and powdery with an east wind. In London the snow was about 2 inches deep. Along the south coast local falls occurred early in March. In the Highlands late March, April and early May were considerably snowier than the winter months.

1932–33.—OCTOBER, NOVEMBER, JANUARY AND FEBRUARY.

In October a somewhat heavy general fall of snow took place in Scotland on the 29th and 30th. Towards the end of November snowfalls also occurred in Scotland. In December snowfall was insignificant. January brought a longish frost with fairly general snow, which was deep in Lincolnshire, but the great snowstorm of the winter came in the last week of February. As early as the 19th there were heavy preliminary falls blocking roads in east Kent, and there were about 2 inches of dry snow in London. The great blizzard between the 23rd and 26th affected Ireland, Wales, midland, south-west and northern England. (See Sect. 5). An outstanding storm like this affecting a wide area, suffices to rank the season as a snowy one

albeit there was not much snow at other times during the winter. March was nearly snow-free, but April brought rather heavy falls in the north, just after Easter, and smart snow showers in the south, including London.

1933–34.—OCTOBER, DECEMBER, MARCH, APRIL AND MAY.

This was a mild winter in Scotland and a cold but very dry one in England and resulted in less snow than usual, the effect being somewhat anomalous in the south. At the end of October several inches of dry snow occurred in northern districts and falls extending southwards to the Midlands—a few flakes being noted as far south as Hampstead. In Lincolnshire the fall was very heavy. At the end of November the weather turned cold and snow fell sporadically, rather heavily in Kent, but London only had a sleet shower on 28th. December was the coldest December in the south as regards mean temperature since that of 1890, but the only really pronounced snowfall occurred early in the month in Devon, Cornwall, and a few other western counties. The 8th was a rather snowy day in London, but the ground was not appreciably covered. The south coast had a marked snowfall about the middle of the month. Henceforth the cold slackened, but showers of damp snow continued at intervals, including those in London on the 30th. January was virtually snowless, likewise February till the very end, when Hull and Holderness had a heavy fall between 1 and 2 feet deep. London had rather thick snow showers on the 28th. In Scotland bleak spring months inevitably made up to a considerable extent for the warm, snowless winter. Roads at times were heavily blocked, and good sport was enjoyed on the hills. In the far north a severe snowstorm raged early in April.

May, after a brief heat wave on the 12th, gave polar winds with snow on the elevated land in the north, roads in the Pennines being blocked.

1934–35.—OCTOBER, JANUARY, FEBRUARY, MARCH, APRIL AND MAY.

1934–35 was a milder winter than 1933–34 but a good deal snowier. Again at the close of October the first real snowfall of winter affected the North. This was heavy for the season in Northumberland. It extended fairly far south, and Hampstead on the 30th had a more pronounced shower than round the corresponding date in 1933. November was practically snowless, but on the 1st a thunderstorm with snow occurred at the mouth of the Dee in Cheshire. The very wet, warm December was as near snowless as this month can be, but the rainfall in the south of England in hilly districts was prodigious: 10–20 inches on the Downs, 20–30 on Dartmoor. With the New Year the rains eased off, temperature fell, and seasonable snowfall appeared in the Highlands and the Pennines. The Forest Ridges in Sussex

were thinly clad on one or two days early in the month and East Anglia experienced more substantial snowfall. On the night of the 25th London had a moderate fall of moist snow which lay at Hampstead to the depth of about 4 inches and lasted some days. In this suburb, which missed the fall of March 9th 1931, there was more snow than at any time since the blizzard of Christmas 1927. In Hertfordshire and Cambridgeshire the amount of snow was greater and country roads were blocked somewhat seriously. A few days later the Dover-Folkestone coast had a 6 inch fall of snow. On February 5th a cold spell commenced in the south, and on the morning of the 8th heavy showers of dry snow fell in Essex and the eastern suburbs of London. There were renewed snowfalls in the last week of February—on the 23rd in the north of England, the 25th in the south-west, and the 27th in the north, again when the south, including London, had heavy sleet changing to rain. On the evening of March 8th a bitter north-east wind was accompanied by a little dry snow in London and by heavy snow on the Kent coast. During the next day or two the cold spread westward and on the 10th there was a heavy fall of snow in south-western and southern counties of England. The snow was about a foot deep in parts of Dorset, Devon and Cornwall, and was also heavy on the Hampshire and Sussex Downs. In the first week of April a little snow fell here and there in the south, and a very severe storm affected the Highlands. The London newspapers showed pictures of Tomintoul, in Banffshire, in the wake of the blizzard. The severe weather between the 12th and 19th of May was associated with snowfalls so remarkable as to impart a distinctive character to this season. On the 16th a really heavy snowfall embraced most of Scotland, and on the 17th this spread southward and westward to northern England, Ireland, Wales and south-west England, including even the Scilly Isles. Many places as far apart as Harrogate in Yorkshire and Tiverton in Devon recorded 5 inches of snow. In some of the Pennine dales 2 to 3 feet are said to have fallen, cottagers having to be dug out of huge drifts. A Tavistock gentleman told the writer he had never seen purer or drier snow than that which fell on May 17th, and that Dartmoor shepherds in search of their sheep could not face the blizzard. In the east and south-east of England, where the night frosts were very destructive, blasting the new forest foliage in the hollows, there were only a few snow showers or flurries on the 13th and 14th. Hampstead and other places in London had a few flakes and the ground at Rickmansworth was whitened.

SECTION 2. GENERAL CHARACTER OF THE DECADE.

In the first article published in *British Rainfall*, 1927, it was not, perhaps, made quite clear that the classification in the Chronicle of

the seasons in three grades as " snowy ", " ordinary ", or " snowless " does not strictly indicate fluctuations above or below normal conditions of snowfall, since these have not been determined for the British Islands according to any adequate criterion. It gives, however, a rather more absolute climatological picture than would mere fluctuations above or below an average. Thus a winter classed as " snowy " is one in which snow, taking the British Islands as a whole, was a conspicuous element of the weather either as regards general frequency and quantity through the season or as regards one or two outstanding snowstorms affecting a wide area ; that a winter classed as " snowless " is one in which the snowfalls were practically all relatively slight and localized, or if heavy, confined to high mountain levels ; and that a winter classed as " ordinary " is one in which snowfall was conspicuous neither for abundance nor absence over the country as a whole. In the snowy seasons so defined the snowfall might be regarded as notable even from the standpoint of colder and snowier countries, in the snowless seasons it would not be notable even from the standpoint of warmer and less snowy countries, and in the ordinary seasons it might interest visitors from warmer climes but not from colder.

According to this standard each season has been very carefully judged, and the author feels that if there are any errors they are due not to faulty judgment on his part but to the difficulty in procuring all the facts. During the decade in question 5 winters are ranked as " snowy ", 3 as " snowless ", and 2 as " ordinary ". It is impossible to say which of the five snowy seasons takes pride of place, but reasons for the assessment of each may be given. Thus 1925–26 was snowy in the early part of the winter, especially in Scotland, and 1930–31 in the latter part, again especially in Scotland ; 1927–28 is included because of the terrific Christmas blizzard in the south of England ; 1932–33 because of the similar visitation in Ireland, Wales and part of England in February ; and 1928–29 figures in the list because of the copious snowfalls associated with a cold winter in some western and northern parts of Great Britain. Among the three snowless winters that of 1931–32 is noteworthy as having been spoken of as the most snowless season ever known in Scotland—a most unfortunate and ironical state of affairs in view of the attempts that year to popularize winter sports in Britain.

In the sixty years 1876–1934, 24 seasons rank as snowy, 20 as ordinary, and 16 as snowless. This relative distribution accords quite well with general climatic experience : that only a third or a little more of the total number should be snowy in the sense indicated is in keeping with the well-known mildness of our climate for latitude ; but that the snowy winters should rather out-number the snowless, or the snowy plus ordinary out-number the snowless

plus ordinary, is also in keeping with the fact that snowfall is quite an obtrusive element of the weather in these islands. The prominence, indeed, with which snow figures in our literature and folklore as well as in the conversational turns of daily life, particularly in the northern parts of the kingdom, testifies to this and affords many an illuminating sidelight on climate. Perhaps the best personal testimony which the writer can add to the magnitude of British snowfall is the labour involved in watching the events year by year and preparing these reports.

SECTION 3.—GEOGRAPHICAL FACTORS AFFECTING DISTRIBUTION OF SNOWFALL IN BRITISH ISLES AND PECULIARITIES OF DISTRIBUTION IN DECADE.

In the article in *British Rainfall*, 1927, the geographical factors of snowfall distribution were not discussed adequately and a few further remarks seem called for. The normal distribution of snowfall in these islands appears to be governed by the following four geographical factors: Altitude, Latitude, Longitude, and Local configuration.

Altitude: That the height of the land above sea-level is of special importance in the British type of climate is well illustrated by comparison with conditions in neighbouring parts of the continental mainland. There snow falls fairly regularly and often copiously during the winter over the plains at or near sea-level because deep inversion layers are formed of cold continental air not easily swept away by warm, moisture-laden Atlantic winds. Hence the precipitation due to fronts and depressions is liable to fall through the cold surface strata as snow. In England, on the other hand, the inversion layers are shallower and more easily dislodged by incursions of Atlantic air with the result that snow is often usurped by rain. Here snowfall at sea-level is highly capricious and seldom covers the ground for more than a few days together even in the more favourable eastern parts like East Anglia. But with increasing altitude snow increases very rapidly in the British Isles both in frequency and amount for the two-fold reason of lower temperature and heavier rainfall, so that even at 500 feet above sea-level the relation to the continental regime begins to be modified. What difference a few hundred feet makes is exemplified in the very suburbs of London where Hampstead Observatory records snow on 22 days in the year and snow lying on 14 days as compared respectively with 14 and 4 at Kew Observatory. Places at 1,000 feet above the sea must reckon with the liability to severe drifting snowstorms in most years even in the milder south-western districts, and all remote hill farms situated about this altitude

need to make provision against isolation at intervals. The writer remembers being told in the Northumberland village of Alwinton, at the foot of the Cheviot Hills, that every October carts laden with provisions wend their way to high-lying farms tucked away in the wild folds of the hills: neglect of this precaution might well mean starvation. At 2,000 feet snow lies for long periods every year and at 3,000 feet the heavier drifts linger late into the summer. Finally at 4,000 feet in Scotland there are permanent snow beds in corries sheltered from sunshine and warm winds, exposed to drift or avalanches, which may be said to represent incipient glaciers. It has lately been shown that Ben Nevis in its high latitude and stormy Atlantic outpost is climatically more rigorous than mountains of similar, or slightly higher altitude in Central Europe, like the Feldberg of the Black Forest or Schneekoppe of the Riesen Gebirge, where warmer summers and lighter annual precipitation prevent the survival of summer snow. (See note in *Q.J.R. Meteor. Soc.* Vol. 58, p. 439). This difference between sea-level and 4,000 feet in relation to the Continent illustrates very strikingly the exceptional importance of altitude on British snowfall. It is in keeping, too, with the fact that the average rate of decrease of temperature with height is greater here than on the mainland.

Latitude: If the British Isles were a dead plain the amount and frequency of snow would decrease fairly regularly from north to south, partly because the lower mean annual temperature in the north lengthens the snow season at both ends and partly because greater proximity to the Icelandic low pressure area involves more frequent irruptions of snow-laden polar air all through the winter. Statistics show that outlying islands in the extreme north near latitude 60°, such as the Shetlands, Orkneys and northern Hebrides have about five times as many snow days during the year as island groups in the extreme south near latitude 50°, such as the Scilly and Channel Islands similarly placed as regards oceanity and relief. Snow-blocked roads, indeed, are much more often reported from Orkney than from Jersey. But as regards the mainland of Great Britain the more mountainous character of Scotland than of England complicates the latitude-relationship to snowfall and much exaggerates the effect. Hence we should be careful not to attribute many northern falls too much to latitude when the determining factor may be elevated ground.

Longitude: As a climatic factor longitude is only effective in relation to contrasts between continentality and oceanity—contrasts which in the vicinity of our islands are marked. In its influence on snowfall this factor is more complex than altitude or latitude and not so well understood. We know that latitude for latitude, and level for level, snow falls more often and lingers longer in the east of Great Britain than in the west, or in Ireland. This is because the mean

winter temperature is lower in the east, which means that it is more subject to cold draughts from the continent. Nevertheless the annual *quantity* of snow does not diminish in the same proportion from east to west ; it may even increase westward because of the greater intensity of snowstorms in the rainier and more humid west. No doubt this is largely an effect of high relief and mountainous or hilly configuration in Wales and the Devonian Peninsula, as well as the absence of any extended plains free from orographic influence. But it should be remembered that in cold spells and severe seasons the western side of Great Britain and Ireland are liable to be near the margin of the frosty area—a situation favourable to heavy snowfall through interaction of the cold air with the humid Atlantic currents. In the great frosts of 1895, 1917, and 1929 the snowfall was altogether heavier in western districts than in eastern, though in 1929 the cold did not extend to Ireland ; in the other two seasons it did, and the snowfall in that country was phenomenal at times. There is probably an actual tendency for small snowy depressions to develop in polar air in the western parts of the British Isles, as though the relatively warm Atlantic water helps in the formation of such systems. In this connection it may be noted that in eastern Europe the influence of the Gulfs of Bothnia and Riga and the great Russian lakes on the development, through the relative warmth of their surfaces, of snowy depressions is actually known. (See note in *Geographical Journal*, vol. 85, p. 303). At any rate there can be no doubt that in general cold weather affecting the whole of the British Isles snow falls more readily and copiously in the west than in the east, and that the potential snowiness of western parts would become very real if the mean winter temperature were to drop a few degrees. It is, perhaps, in keeping with this that a recent study on the height of the snowline during the last of the Pleistocene glaciations shows the snowline close to sea-level on the west coasts of Scotland and Ireland but considerably higher elsewhere, suggesting that prevailing winds were then as now from the western ocean. (See note in *Geographical Journal*, vol. 85, p. 482).

Local Configuration : As a climatic factor the local configuration and relief of the land, though closely connected with actual altitude, is in reality a distinct influence, since it involves aspect and slope, shelter and exposure. In our climate snowfall is peculiarly sensitive to local influences so that considerable differences occur in places not very far apart. We need look no further afield in fact than the south-east of England. Thus in the London Basin a sheltered configuration combined with low general altitude and low rainfall, aided also by the urban reservoir of heat, makes heavy falls of snow decidedly uncommon. London, indeed, is freer from heavy snow than any other great city in Britain, and the amount of snow it gets is not

representative of an average country district in the south of England let alone the north. On the other hand in east Kent a broad plateau of chalk downs dipping generally towards north and east causes much snow with polar or continental winds charged with the moisture of the North Sea or Channel. Hence the hilly country between a line joining Ashford and Canterbury on the west and the coast is probably more snowy, if a balance is struck between quantity and frequency of snow, than any other part of southern England, although Dartmoor and Exmoor and the Wiltshire Downs may experience worse blizzards from time to time. Again, the long " dip " slopes facing east, of the Cotswolds and the Pennines likewise induce heavy snowfall in certain conditions and shelter the lee country. The rainfall map for March 1916, a cold wet month of persistent east wind, with precipitation on high ground entirely in the form of snow, shows marked snow-shadowing of the Lake District mountains by the northern Pennines. (See first paper, *British Rainfall*, 1927, p. 260). With northerly winds, which usually bring so much snow to the mountains of North Wales, the south and Midlands of England appear to be screened from a good deal of snow by the high relief of the North. In the Scottish Highlands there are localities where local configuration reinforces the effect of generally elevated country in a high latitude to produce really severe snowfall conditions. The traveller gets a lively reminder of this by the fleet of snow ploughs seen along sections of the Highland Railway. In Sutherlandshire the line is protected at exposed points by wooden sheds, so easily is the dry snow whipped off the bleak moors and piled up into great drifts. Winter and spring snow conditions in the Cairngorms have been vividly described by Mr. Seton Gordon, a writer of great power and charm upon all aspects of Nature in the Highlands. Local conditions are, no doubt, responsible for the very high number of days on which snow lies on the floor of the upper Dee valley in Aberdeenshire. At Balmoral and Braemar, only about 1,000 feet up, the number is 70 to 80, which appears to be greater than in the open plains of Southern Sweden in a similar latitude.

Distribution in Decade 1926–35 : The relative distribution of snowfall from decade to decade can hardly vary very much since 10 years is sufficient for outstanding local differences of climate to emerge fairly clearly ; but one interesting peculiarity appears in this decade, to wit, a distinct accentuation of the usual tendency to droughty frosts in the east and south-east of England in comparison with snowy frosts in the west and south-west. This was very noticeable in the hard weather of February, 1929, and December, 1933, as well as during the cold spells of March and May, 1935. The case of February, 1929 is very striking, and it is interesting to compare January and February of that year with the corresponding months in 1895. In 1895, at the onset of the intense phase of the cold in

February, all parts of the British Isles were well covered with snow, but in the east of England the layer was thinner than in the west. In 1929 the contrast between east and west in this respect was much accentuated. In the London district and over much of eastern England as far north as Yorkshire, the ground hardly bore more than a sprinkling of snow during the acute phase of the frost in February ; but in the western counties and Wales there was a thick mantle of snow giving a more impressive picture of severe weather than in the east. The deep snow in the west, while protecting the soil from the frost, gave rise to some very low night minima locally. In the east the day maxima were very low and the Essex tidal creeks were heavily encumbered with ice ; but the absence of snow was unfortunate in some ways for agriculture and had a curious sequel in March. In that month calm, clear, anticyclonic conditions set in with a wide diurnal range of temperature. Thus it came about that whilst in the snow-free east the cold at night sufficed to preserve the thick ice formed in February, there was nothing to prevent the hot spring sunshine raising the temperature by day. The result was that we had the extraordinary experience in England of being able to skate with the air temperature up in the forties, fifties and even sixties. At one place in Yorkshire the temperature rose as high as 77°, almost as high as at any time during the ensuing summer. On the other hand in those parts of the country where there was a lot of snow to be disposed of such climatic eccentricities could not occur in March. On the continent, where there was deep snow, conditions remained rigorous until far into spring. There is hardly a greater anomaly in British Meteorological annals than March 1929. It is interesting to note that during the dry spring and summer of 1929 there was less snow lying in the Scottish Highlands than for a large number of years. As regards peculiarities in local distribution, whilst it is possible that certain mountain areas may have had an excess during the decade, two districts have come to the author's notice as having been exceptionally deficient in snowfall—namely the Lancashire Coast and London. The coastal plain of Lancashire, so Mr. Baxendell informs the writer, began a scarcity of snow in 1920. At Southport the mean number of snowy days was only 8 for the decade instead of 12, the long-period normal. There does not appear to have been any really serious fall of snow at Southport during the entire decade, even at the time of the widespread blizzard of February, 1933. As to London the author can testify to the scarcity of snow from personal experience. It is true that the decade contained the Christmas blizzard of 1927 which in parts of Greater London bore comparison with January, 1881 ; but since that time to date (February, 1937) there has been no general fall of any magnitude affecting the entire Metropolitan area—a fall, that is to say, of several inches covering the whole of London. There has been no parallel to so long a period of 9 nearly

snow-free consecutive winters in any decade since 1875 and probably much further back still. All snowfalls in London worthy of mention since Christmas 1927, were either too brief for much snow to be deposited, like the intense dark squall of dry powdery snow on the morning of January 17th, 1929, or quickly turned to rain like the fall of February 23rd, 1933, on the fringe of the blizzard in the Midlands ; or else too local, like the fall in Central London on the morning of March 9th, 1931, and the heavy Hampstead falls of January 26th, 1935, and January 17th, 1936 (the last outside the decade). The fall on March 9th, 1931, was really a prolonged cumulonimbus shower of pure dry snow lasting about a couple of hours in the forenoon. It was a good example of the accidental meteorological factor which may cause most snow in the least likely localities. In the City, Westminster and Kensington, some 3 or 4 inches of dry snow fell, whereas the northern heights had only half an inch. One certainly does not expect to see inches of dry snow lying in St. Paul's Churchyard and only a sprinkling on Hampstead Heath ! The lack of snow of recent years in London has been reflected in the disappearance of the posters concerning snow removal which at one time were displayed on quite a lavish scale about town. These would sometimes in out of the way corners remain intact through the summer, and the writer recalls his amusement at seeing one such bill refreshingly headed SNOW on a sultry July day ! It is somewhat the fashion to regard snow in town as an unmitigated nuisance because it gets churned to a dirty brown slush in the main traffic ways especially when treated with salt. It is nevertheless true that to people, who suffer from drab city surroundings deprived of the pure country air and the beauty of Nature, a good fall of snow is more needed as a mental tonic than to country dwellers who in any case see more of snow and are far more exposed to the difficulties, hardships and even dangers which it sometimes entails. The poem entitled *London Snow* by the late Robert Bridges deserves to be more widely known from this point of view. It may be noted too that the late brilliant writer, Mr. C. E. Montague, points out quite rightly, in a little volume entitled *The Right Place,* that heavy snow has a greater transforming effect on the scenery of large towns than of small towns or the open country.

SECTION 4. SEASONAL AND MONTHLY DISTRIBUTION OF SNOWFALL IN THE DECADE.

Only four months of the year—June–September—can be regarded as immune from decided snowfalls at low levels in the British Isles, and none at the higher levels. In the first report it was explained why the monthly liability to snowfall does not run quite parallel with

the normal monthly mean temperature, the spring months being conspicuously snowier in relation to the mean temperature than the autumn months. In the decade 1926–35 there is little remarkable or unusual in the monthly distribution of the snowfalls, though the two ends of the season, May and October, provided, perhaps, heavier falls than usual. The snowfall of May 1935 was very severe in parts of Scotland and the Pennine axis of northern England, and quite severe also in Wales, Devon and Cornwall. A little wider area of high intensity and this snowstorm might have ranked amongst our first-class blizzards. When the writer read of a heavy snowstorm overspreading Poland at the beginning of May he regarded it as exemplifying the erratic behaviour of the continental climate at a peculiarly uncertain moment of the year for vicissitudes of heat and cold, little thinking that more than a fortnight later cottagers in the Pennine dales would be completely isolated by huge drifts, that shepherds on Dartmoor would liken their experiences to a midwinter blizzard and that forest foliage near London would be completely destroyed by frost. In May 1926 also a heavy snowfall occurred in the Cotswolds and other parts of southern England. Snowfalls in October were prominent in 1926, 1933 and 1934. In regard to October snowfalls, which nearly always put in an appearance after the middle of the month, at any rate in the north, the writer regrets that he omitted two important cases from the Chronicle of his first report, namely 1887 and 1895. He wishes to ask any holders of *British Rainfall*, 1927, who may be interested in the subject, to make a marginal note in the Chronicle to the effect that in October 1887 London was whitened with snow as early as the 12th, and that in October 1895 an extraordinarily rigorous spell of weather provided the British Isles during the last week of the month, with more snow than at almost any other time in the ensuing very mild winter.

SECTION 5.—ACCOUNT OF THREE GREAT SNOWSTORMS IN DECADE 1926–35.

If we leave out of account a number of heavy falls of snow in the Scottish Highlands, especially in the six months November and December 1925, February and March 1930, and February and March 1931, and confine our attention to other parts of the country where snow is more of an event, we are confronted with three snowstorms of outstanding severity, namely those of December 1927 in the south of England, February 1929 in South Wales and the south-west of England, and February 1933 in Ireland, Wales and most of England.

A description of each of these is now given.

December 25th–27th, 1927.—The dark days of December 1927 were marked by penetrating cold, and for nearly a week in the middle there was continuous frost night and day with local falls of pure dry snow especially on the east and south-east coasts—the very region which was to escape the Christmas blizzard. With the advent, however, on the 22nd of a dismal thaw in the shape of the worst " glazed frost " since January, 1903, expectations which had been entertained of a real Christmas snowstorm began to recede with the establishment of a warm south-westerly wind. But it not infrequently happens that big storms of any kind do not come at once, but appear to retreat as though to muster their forces for a delayed attack. Exactly thus did the blizzard of December 25th, 1927, swoop down on southern England. A Christmas meteorological thrill it certainly was, not without elements of romance, but the storm was of a peculiarly dangerous stamp arriving with no more warning than a backing of the wind into the east as a depression developed over the English Channel. Early on Christmas Day snow was already falling in the Midlands, but in the south there was nothing to hint at the sudden conversion about 6 p.m. of the heavy rain to thick snow, unless it were the gloomy east wind and raw atmosphere. Yet so intense was the downfall that, despite the sodden state of the ground, roads were hopelessly blocked before midnight, with the result that in every southern county from Kent to Cornwall people in country districts had perforce to spend Christmas night where they were, and even in London locomotion was difficult. The storm raged all day on the 26th, more locally during the 27th, by which time the mean depth of snow was about a foot, nearer two feet on the hills, but nearer half a foot in some low-lying areas including Central London. Bright frosty weather supervened with a further snowfall on the 31st. The fierce easterly gale piled up huge drifts and gave rise to sastrugi and cornices together with a certain amount of avalanching from cliffs, quarries and steep declivities. In Hampshire remnants of the drifts held out till March against weeks of mild wet weather. The Alton line in that county was closed for a week. On Salisbury Plain men digging a passage through a 20-foot drift encountered the body of a motor-cyclist who had evidently been overwhelmed in attempting to cross that notoriously exposed upland. On Dartmoor Princetown was unapproachable for several days, many of the houses having snow up to the bedroom windows. On the outer fringe of London numbers of motor cars were stuck fast, in some cases buried. St. Albans city was isolated for days, and many villages in Hertfordshire, west Essex and west Kent, barely beyond the surburban fringe, were nearly starved out, recourse being had to provisioning by aeroplane. A friend of the writer passed a day and a night in a train from Cambridge to London. On the Chilterns and Dunstable Downs skiiers did not miss a rare opportunity to indulge in some first rate

practise. But it was on the south coast that the drifting effects of this fierce storm were most striking. Great clouds of snow were blown out to sea from the high cliffs of the Isle of Wight, Dorset and Devon. This phenomenon, which passing seamen are said to have mistaken at first for fog, must have been exceedingly grand and impressive especially along the high rugged stretch of the Dorset coast containing St. Aldhelm's Head and Lulworth Cove. In much the same way great quantities of snow are thought to have been driven from the heights of Dartmoor on to the South Devon coast helping, with the local snow, to build up immense drifts in the neighbourhood of Salcombe. If this was actually the case it raises a matter of two-fold interest : the great distance which wind-driven snow may travel and the complexity introduced into Devonshire weather by the presence of a great granite uplift like Dartmoor.

As regards geographical distribution it may be said that the area of high intensity extended in a broad band from Norfolk in a south-westerly direction to Cornwall, and that within this band were three centres of maximum intensity, one in Bedfordshire and Hertfordshire, another in Hampshire and Wiltshire, and a third in Devon—apparently the most intense of all—at least as regards Dartmoor. There was a periphery of heavy rain along and near the coast of Kent and east Sussex, and there were other marginal rain areas in parts of Wales. It is generally acknowledged that considered as a blizzard of drifting snow confined to the southern half of England the storm of 1927 is in the same category as that of January, 1881 and March 1891. In January 1881 the area of maximum intensity lay in Hampshire and the Isle of Wight—an area heavily visited in 1927—but the extent of country affected was greater than on the other two occasions, including all but the four northernmost counties of England. As the temperature was then very low, so that the snow was everywhere fine and powdery with no margins of sleet or rain, this blizzard of 1881 perhaps deserves its reputation as the most severe. It should be remembered, however, that though the blizzard of March 1891 was more strictly confined to the south of England than those of 1881 and 1927, the combination of wind and snow in the region of maximum intensity, namely Devon and Cornwall, was more terrific than anywhere on the other occasions, and the loss of life on land and sea was apparently greater. A preliminary account of the storm was given by Captain Douglas in the *Meteorological Magazine* for January 1928 and a little book entitled *The Great Blizzard of Christmas 1927 : its Causes and Incidents*, by the late Rev. H. H. Breton, appeared soon after the event. The present writer is indebted to this little volume for some of the information given—a copy exists in the library of the Royal Meteorological Society. A number of exceedingly telling photographs appeared in *The Sphere* for January 7th, 1928. The

previous widespread snowfall in eastern and southern England on Christmas Day itself was as far back as 1906, but in that year the whole of our islands was affected by blizzards on following days, especially the east of Scotland and south-west of England.

February 16th, 1929.—It has already been observed that during the hard winter of 1928–29 a number of snowfalls occurred from time to time in western England and Wales which left the east untouched. A good example occurred between February 10th and 12th with a strong south-east wind. This was followed on the 16th by a steady downfall of snow lasting many hours, in association with the passage of a shallow barometric depression in a south-easterly direction. In places the depth of snow was very great, and it is said that in Cardiff great difficulty was experienced about this time in keeping the streets open to traffic. On Dartmoor there was very intense concentration of snowfall. According to another little book by the Rev. H. H. Breton (then vicar of Dean Prior, Buckfastleigh, Devon) entitled *The Great Winter of 1928–29*, there fell over a small tract on the south-eastern fringe of Dartmoor to the west of Holne Chase as much as 6 feet of snow in 15 hours. He produces a little sketch map showing depths varying from 2 to 6 feet of snow, and points out that in the absence of wind there could be no question of drifting. This indeed was no blizzard, just a mighty downfall of snow which, over a few square miles of country indeed, might almost be described as a cloud-burst of snow. For it fell straight down in enormous flakes very close together as though it were being shovelled down. Vegetation suffered badly under the weight of snow, and there were even cases of great oaks being uprooted. Mr. Breton is probably right in considering this the deepest fall of snow ever actually measured in a single storm anywhere in the British Isles at so low an elevation as 1,000 feet above sea-level. His explanation that the enormous snow-fall was due to the obstruction presented by Dartmoor to the free passage of the small shallow depression is also probably correct ; for this is recognized to be one of three or four ways in which elevated ground may increase precipitation. Since there was no wind the more ordinary orographic effect in these islands must have been absent. The same district was visited for several days at the end of February by a severe ice storm of the type common in the United States but rare in England. Drizzle, fine rain and wet fog accom-panied by a strong east wind caused the roads to be covered with inches of ice and the trees to be laden with icicles, which when the sun shone upon them produced prismatic colours of extreme beauty. The phenomenon known as " amel " (or " ammil " as spelt by Dart-moor folk) derived from " enamel " is stated by Mr. Breton to be different from the glazed frost often seen in the London streets and to have a different cause. But in so far as both phenomena proceed

from the freezing of rain drops in alighting upon surfaces it is difficult to see how they differ essentially.

February 23rd–26th 1933.—Like Christmas 1927 this was a severe easterly blizzard, but both the geographical and meteorological circumstances were different. It marked the culmination of several weeks of rather cold weather with a good deal of local snow mainly with northerly winds. The immediate antecedents were more patent than in 1927 and the Forecast Division of the Meteorological Office were quick to foresee the meaning of a small depression embedded in polar air over the north of Ireland on the morning of February 23rd (See *Meteorological Magazine* for March 1933). The forecast stated plainly that a big snowstorm was at hand and it was fully justified by eventualities. The depression moved southward over Ireland and in deepening drew in supplies of damp air from the Atlantic whilst maintaining a bitterly cold surface current from the east over most of the British Isles. Snow fell very heavily in Ireland on the 23rd and on the 24th it spread to Wales and the whole of England, except the extreme east and south-east, but not to Scotland, at least in any quantity. In Ireland as a whole this snowstorm was the worst since the blizzard of early April 1917, when the general geographical distribution was similar; but whereas in April 1917 the regions most affected were southern and western Ireland, and the Anglo-Scottish Border, in February 1933 they were central and eastern Ireland, South Wales and the north Midlands. Late on the 24th a movement of the depression a little to the west caused an influx of warm air in the south of England, turning the snow to heavy rain on the 25th and 26th, heavy snow, however, persisting further north. In the most heavily affected parts of Ireland, Wales and England the mean depth of snow even at low levels approached 2 feet. Locally at Harrogate as much as 30 inches was measured for the three days 23rd to 26th. The snow was rather damper on the whole than in 1927 and its relation to altitude perhaps even more marked, for away from the area of maximum intensity deep snow was only encountered on the hills. Thus in parts of Northumberland and Cumberland there was not much snow in the low country and what there was was mingled with sleet and rain; but roads over the Pennines were impassable, and high-lying towns like Alston difficult to reach. In the south Midlands, which also lay towards the periphery of the blizzard, the effect of altitude was likewise striking, since it was only on Edgehill and neighbouring Warwickshire ridges and on the Chilterns that the same depth of snow was found as at low levels in the north Midlands and South Wales. At Whipsnade, in the Dunstable Downs, 2 feet of snow fell as against as many inches in London only 40 miles away. Part of this difference is, however, due to the fact that London was near the transitional area between the snow and the rain which was falling

on the coast of Sussex. Drifting, of course, was heavy and added to the difficulties of travel. The *Royal Scot* arrived at Euston over 12 hours late, the driver stating that he experienced the utmost difficulty in making headway between Preston and Rugby. This confirms very well the north Midland distribution of the intense snowfall. It often happens in stress of weather that a talk with our highly intelligent railwaymen provides interesting sidelights of local climatic conditions. On the coastal plain of South Wales the *Irish Mail* from Fishguard was similarly long delayed, and in the industrial towns which lie amid the mountain valleys of Glamorganshire people had extraordinary experiences. A resident of Aberdare told the writer that he spent hours digging a passage across the road in order to reach a pillar box. A note in *British Rainfall*, 1933, by Mr. R. C. Sandeman, describes how he and others went up into the mountains near Crickhowell in Breconshire during the height of the storm after sheep. They were nearly suffocated in the choking drift and had to abandon the sheep, thinking themselves lucky to have escaped with their lives. They were indeed lucky, for persons have perished in mountain and moorland snowstorms merely in travelling on foot along beaten tracks let alone such an adventure as searching for sheep. As compared with 1927, the 1933 storm was more extensive, but, perhaps, less impressive on account of the speedy thaw in the south and the absence of the days of hard frost which followed the earlier blizzard.

In connection with these three great snowstorms it seems desirable to emphasize the following points :

December 1927 : The great clouds of snow swept out to sea from the high cliffs of the south coast of England and from Dartmoor and other elevated tracts on to the lower country. This raises a number of interesting questions on drifting concerning the ratio of dispersion to accumulation.

February 1929 : The maximum depth of undrifted snow, namely, 6 feet, ever recorded in a single storm in the British Isles except at high mountain levels. This appears to have been a local concentration of snowfall caused by the elevated mass of Dartmoor hindering the free passage of the air currents in a shallow depression.

February 1933 : A snowstorm which illustrated exceptionally well the delicate balance between snow and rain which so often obtains in the British Isles. London was in a highly critical position, for what proved to be a mere two inches of snow turning to rain might with a slight movement of the Irish depression in another direction conceivably have brought as many feet of snow.

SECTION 6.—SCOTTISH SNOW-BEDS IN DECADE 1926–35.

Although there does not appear to have been any lack of snow at the higher levels during the decade under review this is nevertheless remarkable in having provided the first occasion for the complete disappearance of certain Highland snow-fields hitherto thought to be perennial. In September 1933 Mr. Seton Gordon, author of that fine book, *The Cairngorm Hills of Scotland*, found no snow whatever in the great Braeriach corrie for the first time ever known since this snow-field has been fairly regularly watched, that is for probably at least fifty years. Early in October 1935 this snow-bed had again disappeared, and also the better known one (which remained intact in 1933) in the Allt-a-Mhuillinn corrie of Ben Nevis. Hence in strict accuracy we cannot speak of their being any perpetual snow in Scotland; but it should be remembered that the disappearance of the snow-beds is not only very rare, but that when it does occur is barely effected before the first of the next season's snow has fallen. In 1933 there was a hot summer in the Highlands, and the summer of 1935 followed a winter when accumulations of snow hardly commenced before January on account of the extraordinarily warm December of 1934. These were no doubt contributing factors, but the determining factor in diminishing these long-lingering remnants of the winter snow appears to be the frequency of warm rains in late summer or early autumn. These were a feature of the weather in the Highlands in August 1933 and in September 1935. In the autumn of 1936 the Ben Nevis and Braeriach beds were found to have persisted; but it would have been interesting if the consistency of the snow had been observed. Firn or even glacier ice has been identified underneath these beds in past years (See Symon's *Meteorological Magazine*, vol. 40, p. 29, and *Geographical Journal*, vol 27, p. 487), and in view of their vanishing in 1935 the question arises whether firn or ice could develop in a single year.

In a paper entitled "Drift-Problems suggested by Severe Snowstorms in the British Isles especially in relation to the Permanent Scottish Snow-beds," which the author of this paper read in Edinburgh before the International Commission for Snow on September 14th 1936, it is lamented that the closing of the Ben Nevis Observatory in 1904 made the investigation of the snow problems of Ben Nevis and the relation of the snow-beds to drifting and avalanching impossible. The probability is shown that the Grampians would to-day be harbouring small glaciers if so much of the Highland snowfall were not blown by the terrific winds off the summits to be scattered on to the low country where under present climatic conditions it soon disappears.

Printed under the Authority of His Majesty's Stationery Office
By C. Tinling & Co. Ltd., Liverpool, London and Prescot

Wt2902/6029 7.37 CT&CoLtd. Gp330/9

S.O. Code No. 40–10–0–36

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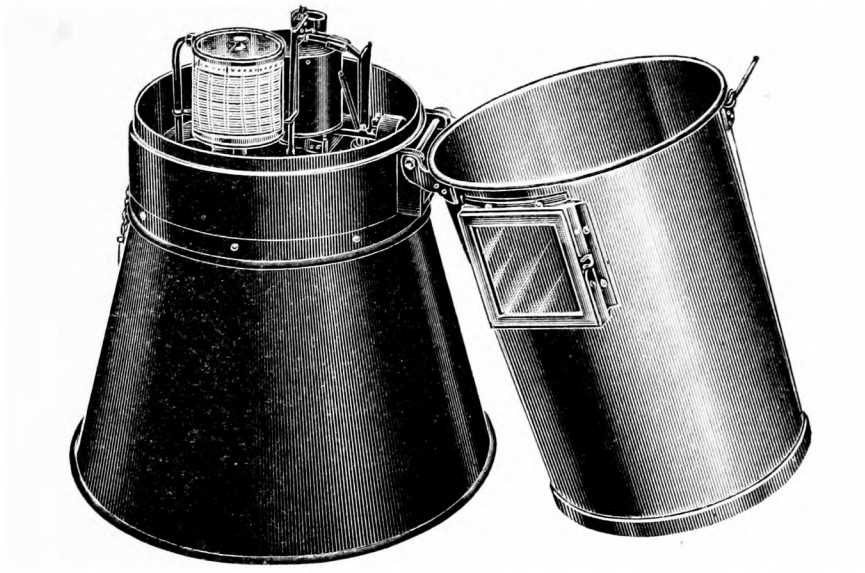

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